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MEMORANDUM ASBESTOS SURVEY FINAL REPORT CNC CHARLESTON SC
3/1/1998
ENVIRONMENTAL DETACHMENT CHARLESTON



DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
PORTSMOUTH, VIRGINIA, DETACHMENT ENVIRONMENTAL CHARLESTON
1899 NORTH HOBSON AVENUE, BUILDING 30
NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:
Ser: 177

177-177-998

MEMORANDUM

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN,
Portsmouth, Va., Environmental Detachment, Charleston, SC
(SPORTENVDETHASN)

To: Southern Division Naval Facilities Engineering Command
(Archie Browder)

Subj: **ASBESTOS SURVEY FINAL REPORT, Charleston Naval Base Housing**

Ref: (a) Statement of Work for Engineering Services- Asbestos Survey, Charleston
Naval Base Housing

Encl: (1) Asbestos Survey Final Report, Charleston Naval Base Housing

1. As requested per reference (a), the Asbestos Survey Final Report for Charleston Naval Base Housing is provided for your review/action via enclosure (1). Points of contact concerning this report are Bruce Murray at (803) 743-6777, (ext.234) or Mark Moltzen at ext. 238.

for M. R. Dearhart
E. R. Dearhart

ASBESTOS SURVEY

NAVAL HOUSING CHARLESTON NAVAL BASE CHARLESTON, SOUTH CAROLINA

Engineering Branch Head: J. M. Tansell Date: 3/3/98

Asbestos Team Leader: M. A. Moltzen Date: 3/3/98

Prepared By: Bruce D. King Date: 3/2/98

SURVEY PERFORMED BY:
ENVIRONMENTAL DETACHMENT CHARLESTON
1899 NORTH HOBSON AVENUE
NORTH CHARLESTON, SC 29405

CHARLESTON NAVAL BASE HOUSING

ASBESTOS INSPECTION REPORT

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including general notes, building summaries, summary tables, floor plans, & chain of custody records for individual houses in the following order:

HOUSING UNITS (street address) QUARTERS or BUILDING NO.

VARIOUS FLOOR PLANS

99 NAVY WAY	F
100 NAVY WAY	A
200 NAVY WAY	B
300 NAVY WAY	C
311 NAVY WAY	J
795 AVENUE F	758 ✓
801 AVENUE F	759 ✓
1451 AVENUE H.....	763 ✓
1463 AVENUE H.....	762 ✓
1510 HOBSON AVE.....	Z
1516 HOBSON AVE.....	Y
1531 HOBSON AVE.....	T
1545 HOBSON AVE.....	S
1600 HOBSON AVE	G
<u>TYPE 9 FLOOR PLAN:</u>	
150 TURNBULL AVE.....	L
152 TURNBULL AVE.....	K
161 EVERGLADES	N
1485 HOBSON AVE.....	R
1505 HOBSON AVE	Q

HOUSING UNITS (street address)
(TYPE 9 CONTINUED)

QUARTERS or BUILDING NO.

1565 HOBSON AVE.....	P
1599 HOBSON AVE.....	O

TYPE HD-23 FLOOR PLAN:

761 COMMISSARY ST.....	M-6
775 COMMISSARY ST.....	M-7
801 COMMISSARY ST.....	M-8
804 MARINE AVE.....	M-5
809 COMMISSARY ST.....	M-9
1285 AVENUE G.....	EE
1288 AVENUE H.....	FF
1293 AVENUE G.....	DD
1294 AVENUE H.....	GG
1304 AVENUE H.....	HH
1305 AVENUE G.....	CC
1310 AVENUE H.....	II
1311 AVENUE G.....	BB
1345 AVENUE G.....	AA
1350 AVENUE H.....	JJ
1351 AVENUE G.....	LL
1445 HOBSON AVE.....	X
1455 HOBSON AVE.....	W
1575 HOBSON AVE.....	D

TYPE I FLOOR PLAN:

1303 AVENUE H.....	769
1309 AVENUE H.....	769
1344 AVENUE G.....	777
1352 AVENUE G.....	777
1409 MANLEY AVE.....	743
1415 MANLEY AVE.....	743
1410 MANLEY AVE.....	744
1414 MANLEY AVE.....	744
1420 MANLEY AVE.....	746
1424 MANLEY AVE.....	746
1421 MANLEY AVE.....	745
1425 MANLEY AVE.....	745
1431 MANLEY AVE.....	747

HOUSING UNITS (street address)	QUARTERS or BUILDING NO.
<i>(TYPE J CONTINUED)</i>	

1435 MANLEY AVE.....	747
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TYPE S FLOOR PLAN:

97 NAVY WAY	705
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170 TURNBULL AVE.....	719
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190 TURNBULL	717
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315 NAVY WAY	706
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378 TURNBULL AVE.....	700
-----------------------	-----

399 TURNBULL AVE.....	701
-----------------------	-----

1422 HOBSON AVE.....	712
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1468 HOBSON AVE.....	708
----------------------	-----

774 MARINE AVE.	765
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778 MARINE AVE	765
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IV. PERSONNEL QUALIFICATIONSSECTION IV.

I. EXECUTIVE SUMMARY

1. INTRODUCTION

Asbestos Building Inspectors from Environmental Detachment, Charleston, SC conducted a survey to identify asbestos containing material (ACM) in the Naval Housing Units at Charleston Naval Base, Charleston, S.C. The survey was conducted from April 1997 through February 1998. Inspections were performed on 64 of the 86 housing units on Charleston Naval Base property. The results of the survey provide an inventory of ACM in these housing units. The remaining units were not inspected because they were occupied or did not have a lock box (a key to house not available). The Table of Contents lists all the units inspected. A list of the units *not* inspected is included in this executive summary.

All inspectors were certified by an EPA accredited training center under the Asbestos Hazard Emergency Response Act (AHERA), as Building Inspectors. All supervisors and inspectors are employees of Environmental Detachment Charleston. Copies of individual certificates are in the **PERSONNEL QUALIFICATIONS** section of this report.

Suspect ACM was identified and sampled in accordance with AHERA guidelines. Some materials suspected of being ACM were assumed to be ACM and not sampled. Assumed materials included floor tile, sheet flooring, and gasket material. Some materials were not safe to sample (e.g. electrical insulation), or sampling would have damaged the material and impaired the normal system operation/integrity (e.g. heating/ventilation/AC systems, furnace, boiler door and pipe gaskets).

Bulk samples were analyzed by the Environmental Detachment, Laboratory Division. Our Laboratory policy is to report asbestos at 1 percent or greater if any indication of asbestos is found. The Laboratory participates in the Navy's Asbestos

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

Identification Proficiency Testing Program. Polarized Light Microscopy (PLM) was used to analyze samples.

2. **FINDINGS SUMMARY**

The **BUILDING SUMMARIES** and **BUILDING SUMMARY TABLES** provide a summary of the findings for the housing units surveyed.

3. **RENOVATION/DEMOLITION**

The National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 requires written notification to the Environmental Protection Agency/local Air Quality Management District at least ten working days prior to renovation or demolition of ACM in quantities of 260 linear feet, 160 square feet, 35 cubic feet, or greater, except in cases of emergencies. Contractors are advised to verify most current regulations prior to start of work.

4. **REPORT ORGANIZATION**

Specific, detailed information on each inspected building is noted in the **BUILDING SUMMARIES** section of this report and includes the following:

- Building Summary: a narrative description of each building and the findings of this survey
- Building Summary Table: description of location, quantity, and condition of ACM in individual housing units
- Building drawings indicating ACM locations
- Asbestos Identification / Chain of Custody forms

Following the *BUILDING SUMMARIES*, is the section for *PERSONNEL QUALIFICATIONS*. Copies of individual Inspector's certificates are included here.

5. **DISCLAIMER**

A comprehensive and thorough asbestos survey was conducted on these houses by certified and experienced Environmental Detachment Charleston inspectors. Every effort was made to identify all asbestos containing material (ACM) in the facility. Due to random sampling techniques mandated by EPA regulations, the possibility

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

exists that some ACM remains undetected. Also all sampling was performed in a non-destructive manner, as requested.

6. ABATEMENT COST

Cost for abatement of ACM from each housing unit will be provided at a later date on an as needed basis.

7. UNITS NOT INSPECTED

The following units were occupied or did not have a lock box installed and were not inspected:

	<u>Address</u>	<u>Building #</u>
1	96 NAVY WAY	I
2	98 NAVY WAY	H
3	160 EVERGLADES DR	M
4	181 TURNBULL AVE	718
5	835 MARINE	M10
6	849 AVE F	760
7	850 SECOND ST	780
8	856 SECOND ST	780
9	857 MARINE	M11
10	875 MARINE	782
11	883 MARINE	781
12	895 AVE F	761
13	895 MARINE	781
14	1356 AVE H	KK
15	1430 MANLEY AVE	748
16	1434 MANLEY AVE	748
17	1501 MANLEY AVE	749
18	1502 MANLEY AVE	750
19	1507 MANLEY AVE	749
20	1508 MANLEY AVE	750
21	1521 MANLEY AVE	751
22	1527 MANLEY AVE	751

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

1. Many sheetrock walls and ceilings have joint compound applied to seams and nail holes. In some cases this joint compound tested positive for asbestos. The walls and ceilings that have asbestos containing joint compound applied must be considered as ACM in their entirety, even though the sheetrock itself may be non-asbestos.
NOTE: Flaking paint on these surfaces could expose asbestos.
2. Cloth-like wiring insulation in all houses is a suspected asbestos containing material. Sampling of this insulation should be performed prior to any disturbance.
3. Many houses contain oil-burning furnaces and boilers, which may contain suspected ACM such as gaskets, seals, and asbestos board, etc. The condition and quantity of these materials could not be determined without disassembly. Sampling of these materials should be performed prior to any disturbance.
4. Convenience samples were taken of various roofing materials. All samples were negative. However sufficient samples could not be obtained of all roofing material to rule out roofing material as non-asbestos.
5. The assessments of piping TSI and HVAC duct TSI are for readily accessible portions of the piping and ductwork only. It should be noted that much of these systems could exist in wall interiors and between floors and ceilings of adjoining floors. This report does not assess the amount and condition of TSI in these inaccessible areas but they should be considered prior to any renovation or demolition.
6. Most of the sheet vinyl flooring found in these houses consists of multiple layers of flooring. Most of the flooring had at least one layer that was ACM. Also some sheet vinyl flooring was placed over floor tiles. In most cases these floor tiles are either assumed or confirmed ACM.
7. Items listed in the Building Summaries, as "CONFIRMED ACM" were proven to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
8. Items listed in the Building Summaries as "ASSUMED ACM" are assumed to be greater than one percent asbestos. Assumptions are based on past experience with similar materials.
9. Items listed in the Building Summaries as "ASBESTOS FREE" are suspected asbestos containing materials that were found not to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
10. Building Summary Tables only list CONFIRMED ACM and ASSUMED ACM.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

11. Definitions Of AHERA CATEGORIES (1 through 8) as used in building summary tables:

1. Damaged or Significantly Damaged friable thermal system insulation.
2. Damaged friable surfacing ACM.
3. Significantly Damaged friable surfacing ACM.
4. Damaged or Significantly Damaged friable miscellaneous ACM.
5. ACM with potential for significant damage.
6. ACM with potential for damage.
7. Any remaining friable ACM or friable suspected ACM.
8. Non-friable ACM.

12. Explanation of "CONDITION" as used in BUILDING SUMMARY TABLES:

SURFACING and MISCELLANEOUS MATERIAL

- SIGNIFICANTLY DAMAGED (material with one or more of the following characteristics)
 - (a) The surface is crumbling or blistered over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
 - (b) One tenth (one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
 - (c) Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- DAMAGED (material with the following characteristics)
 - (a) The surface is crumbling, blistered, water-stained, gouged, marred or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- GOOD CONDITION
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

THERMAL SYSTEM INSULATION

- **SIGNIFICANTLY DAMAGED** (material with one or more of the following characteristics)
 - (a) Missing jackets on at least one tenth of the piping or equipment.
 - (b) Crushed or heavily gouged or punctured insulation on at least one tenth of pipe, duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).
 - **DAMAGED** (material with one or more of the following characteristics)
 - (a) A few water stains on less than one tenth of insulation with missing jackets.
 - (b) Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).
 - **GOOD CONDITION**
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.
-

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

II. BUILDING SUMMARIES

The following pages report observations noted and suggest actions required as a result of an Asbestos survey conducted by Environmental Detachment Charleston between April 1997 and February 1998. Sixty-four housing units at Charleston Naval Base were inspected for the presence of asbestos containing material (ACM). This section provides *Descriptions, Findings, and Recommended Actions for each house inspected.*

Assessment of all ACM was done in accordance with Chapter 40, Code of Federal Regulations, Part 763, Subpart E, "ASBESTOS HAZARD EMERGENCY RESPONSE ACT (AHERA)".

A total of 615 samples of suspected ACM were taken and analyzed by certified Environmental Detachment Charleston personnel. Due to a non-destructive sampling policy, samples were taken from accessible materials only.

**ASBESTOS SURVEY
QUARTERS "F", 99 NAVY WAY
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION

Approximate date of construction for Quarters F is 1861. A two-story addition was added to the rear of the house sometime between 1900 and 1928. The house has 5526 square feet. The house is in good condition. Interior walls are plaster and sheetrock, in many rooms it appears sheetrock may have been placed over existing plaster. Exterior siding is wood and the roof is metal with an applied coating, no roofing samples were obtained. A new HVAC system has been installed with fiberglass insulation.

2. FINDINGS

Twelve homogenous sampling materials were identified as suspected Asbestos Containing Material (ACM). Of the twelve, **2 were confirmed to contain asbestos, 2 were assumed to contain asbestos, and 8** were found to be asbestos free.

CONFIRMED ACM

1. SOIL, located in crawl space, several loose pieces of plaster-like material and a few pieces of black felt paper (these may be remnants of old piping TSI that has since been removed)
2. EXTERIOR WINDOW GLAZING

ASSUMED ACM

1. SHEET VINYL FLOORING, located in kitchen and storage room, this homogeneous group of flooring was confirmed ACM in other Charleston Naval housing units.
2. CERAMIC TILE MORTAR, in all bathrooms

ASBESTOS FREE

1. MORTAR, used in brickwork, in crawl space
2. SHEETROCK w/ TAPE and JOINT COMPOUND, located in several rooms of house
3. PLASTER, located in several rooms of house
4. CAULKING, located in bathrooms
5. ATTIC INSULATION
6. WALLPAPER, located in bathrooms
7. VENT DUCT TSI MASTIC, located in crawl space / basement on HVAC duct
8. BROWN CEILING TILE, located in kitchen

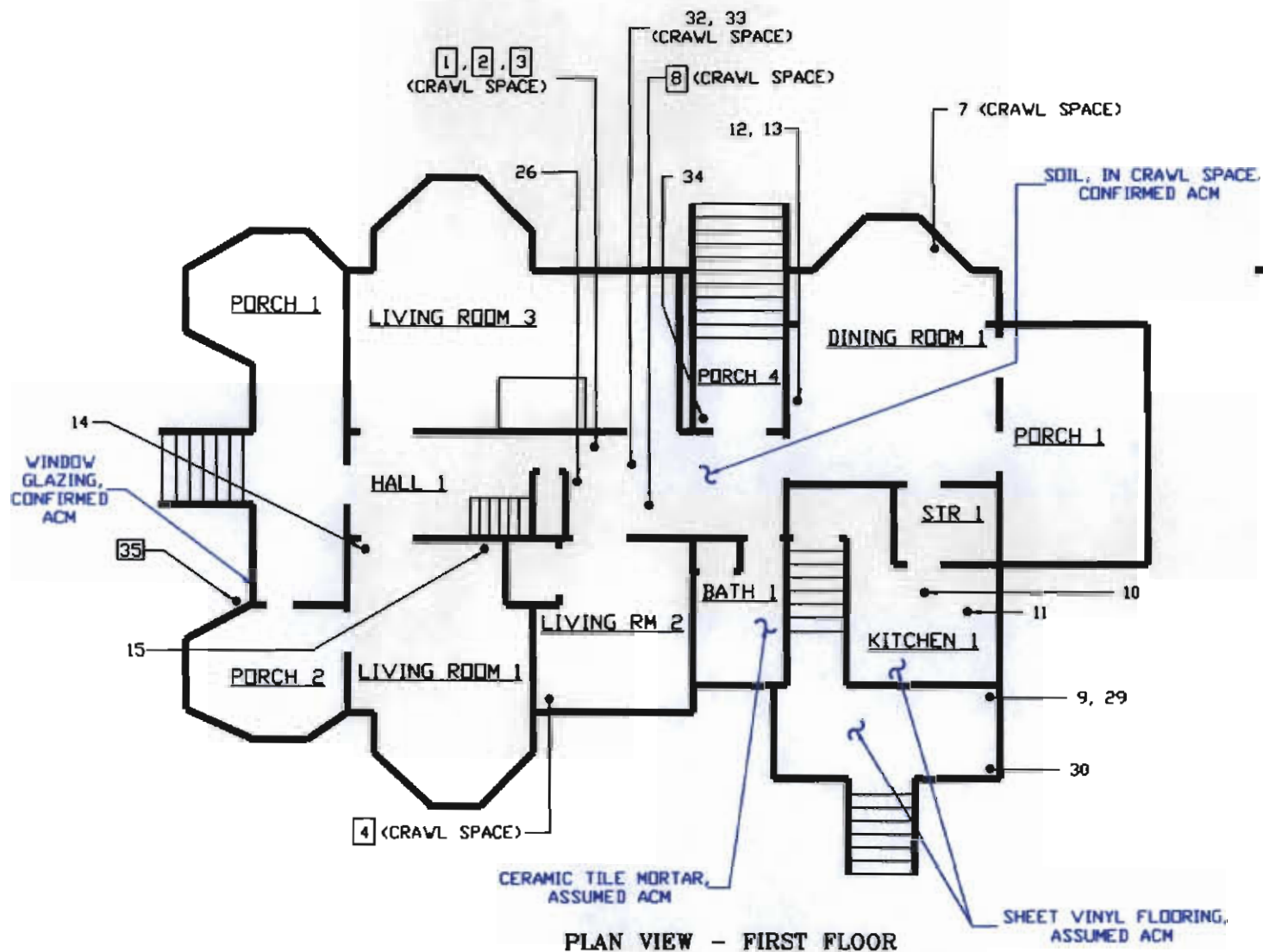
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

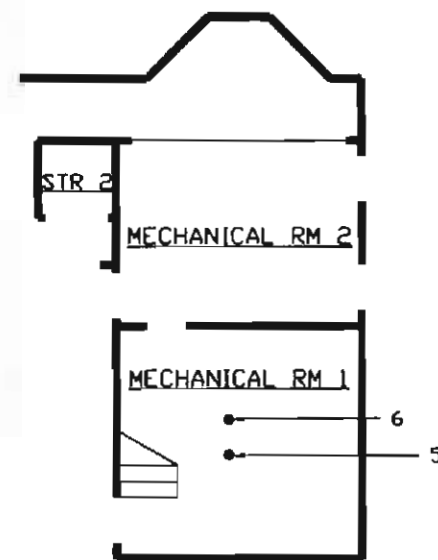
**99 NAVY WAY
QUARTERS F**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	SHEET VINYL FLOORING, kitchen and storage	316 sq. ft.	8	N	G	0	O & M	This flooring was confirmed ACM in other housing units.
ASSUMED	A	MISC., CERAMIC TILE MORTAR, all bathrooms	577 sq. ft.	8	N	G	0	O & M	
99-NW-34 99-NW-35	N Y	MISC., EXTERIOR WINDOW GLAZING	*	*	*	*	*	*	assessment not required on exterior materials
99-NW-1 99-NW-2 99-NW-3 99-NW-4 99-NW-8	Y Y Y Y Y	SOIL., loose pieces of debris scattered throughout soil of crawl space	2160 sq ft	4	Y	D	100	Remove	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



PLAN VIEW - FIRST FLOOR



PLAN VIEW - BASEMENT

LEGEND

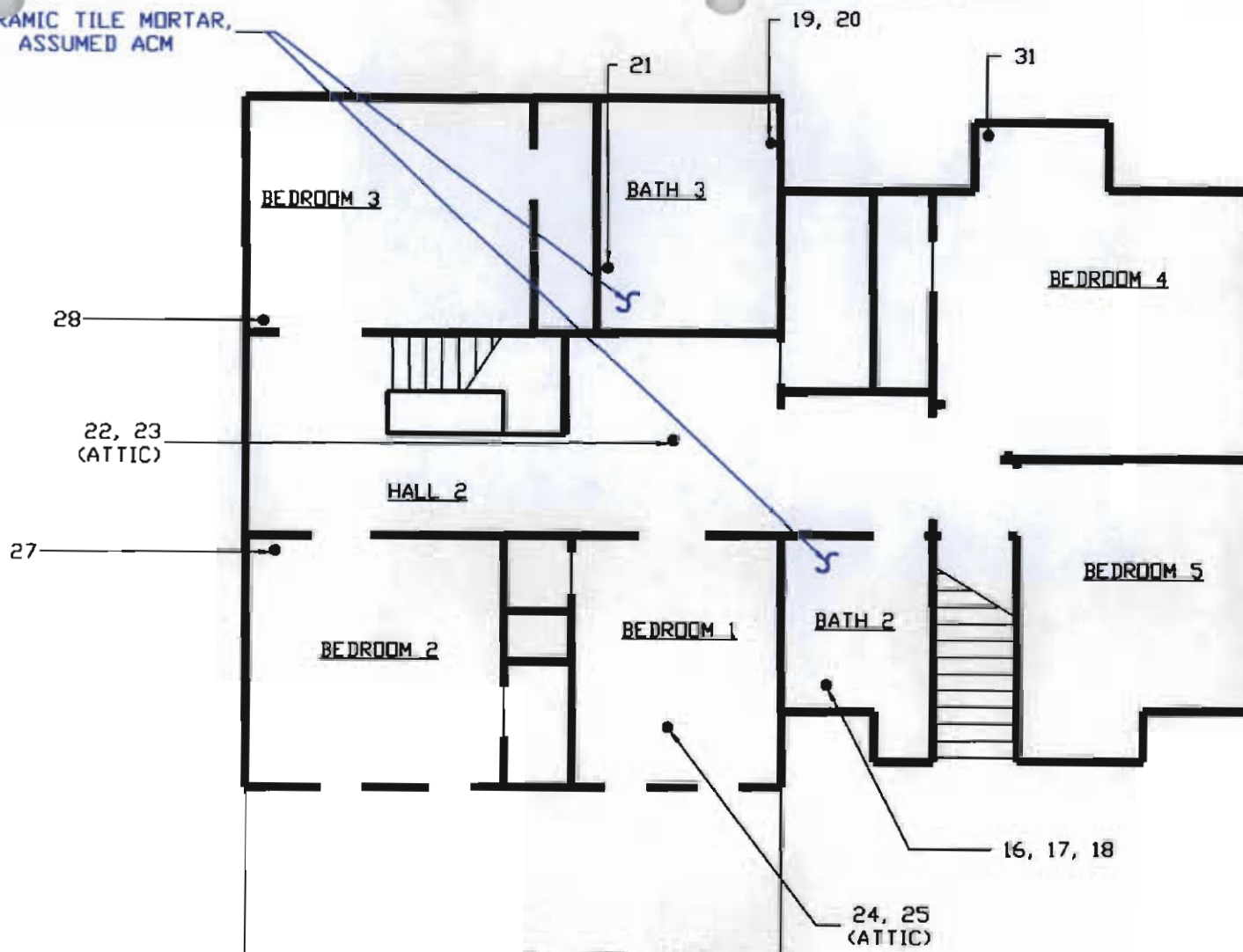
- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan
99 NAVY WAY - QUARTERS "F"
Charleston Naval Base
Charleston, SC

DWG DATE: 29 JAN 98 DWG NAME: ASB 99

CERAMIC TILE MORTAR,
ASSUMED ACM



PLAN VIEW - SECOND FLOOR

LEGEND

• - SAMPLE LOCATION

XX - ASBESTOS DETECTED IN THIS SAMPLE

XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan
99 NAVY WAY - QUARTERS "F"
Charleston Naval Base
Charleston, SC

DWG DATE: 29 JAN 98 DWG NAME: ASB 99_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 99 NAVY WAY "F" Date: 5/7/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BUCK MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BUCK MURRAY PHONE NO 743-6482 Ext. 230 234
Royce Charpia

Relinquished to W. LAUX Date 5-12-97

Relinquished by Buck Murray Date 5/12/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
99-NW-1		CRAWL SPACE, PLASTER OR MORTAR (LOOSE PIECES SCATTERED THROUGHOUT)	CHRYOTILE	WR
99-NW-2		CRAWL SPACE, WHITE CHALKY FIBROUS MAT'L (LOOSE, SCATTERED THROUGHOUT)	CHRYOTILE	WR
99-NW-3		CRAWL SPACE SOIL	CHRYOTILE	WR
99-NW-4		CRAWL SPACE, MORTAR-LIKE MAT'L	CHRYOTILE	WR
99-NW-5		CRAWL SPACE, GRAY PUTTY FROM VENT DUCT.	NONE	WR
99-NW-6		↓ ↓	NONE	WR
99-NW-7		CRAWL SPACE, MORTAR FROM BRICKWORK	NONE	WR
99-NW-8		CRAWL SPACE BLACK FELT PAPER	CHRYOTILE	WR

Analyst(s) W. Laux Date 5-12-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) **Envir. Eng. & Remediation Detachment**
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 99 NAVY WAY "F" Date 5/9/97

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Bruce Murray
Roxee Charota PHONE NO. 743-6482 Ext. 230-234

Relinquished to W LAUX Date 5-12-97

Relinquished by Bruce Murray Date 5/12/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
99-NW-9	—	KITCHEN STORAGE SHEETROCK	NONE	WJR
99-NW-10	—	KITCHEN, BLOWN CEILING	NONE	WJR
99-NW-11	—	↓ ↓	NONE	WJR
99-NW-12	—	DINING ROOM, PLASTER	NONE	WJR
99-NW-13	—	↓ ↓	NONE	WJR
99-NW-14	—	HALL + LIVING ROOM #1 PLASTER	NONE	WJR
99-NW-15	—	↓ ↓	NONE	WJR
99-NW-16	—	BATHROOM #2 WALLPAPER	NONE	WJR

Analyst(s) [Signature] Date 5-12-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 99 NAVY WAY "F" Date: 5/9/97

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Bruce Murray PHONE NO 743-6482 Ext. 230 234
Royce Chandra

Relinquished to W. LAUX Date 5-12-97

Relinquished by [Signature] Date 5/12/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
99-NW-17	—	BATHROOM #2 SHEETS	NONE	WAL
99-NW-18	—	BATHROOM #2 CAULK	NONE	WAL
99-NW-19	—	BATHROOM #3 WALL PAPER	NONE	WAL
99-NW-20	—	↓ ↓	NONE	WAL
99-NW-21	—	BATHROOM #3 CAULK	NONE	WAL
99-NW-22	—	ATTIC, SPRINKLER INSULATION (WHITE, CLOTH-LIKE)	NONE	WAL
99-NW-23	—	↓ ↓	NONE	WAL
99-NW-24	—	↓ ↓	NONE	WAL

Analyst(s) W. Laux Date 5-12-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 99 NAVY WAY "F" Date 5/9/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Brock Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Brock Murray PHONE NO 743-6482 Ext. 230 254
Rexie Charpia

Relinquished to W. LAUX Date 5-12-97

Relinquished by Brock Murray Date 5/12/97

Logged in by [Signature] Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
99-000-25		ATTIC, SPACE INSULATION (WHITE CLOTHURE)	NONE	WLR

Analyst(s) [Signature] Date 5-12-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106

ASBESTOS IDENTIFICATION

QUARTERS "F"

From: (Project) Envir. Eng. & Remediation Detachment Building 99 NAVY WAY Date: 1-22-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8-00-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO Ext 234

Relinquished to W.E. May Date 1/23/98

Relinquished by Bruce Murray Date 1-23-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
99-NW-26		PLASTER, FROM WALL BEHIND LIGHT SWITCH, HALL NEAR STAIRS	NONE	WEM
99-NW-27		PLASTER, SHEETROCK (CORED SAMPLE THROUGH SHEETROCK INTO PLASTER)	NONE	WEM
99-NW-28		PLASTER, SHEETROCK (CORED SAMPLE THROUGH SHEETROCK INTO PLASTER)	NONE	WEM

Analyst(s) W.E. May Date 1/23/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTERS "F"

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 99 NAVY WAY

Date: 1-23-98

INSPECTOR BUCK MURRAY DHEC LICENSE NO 2168 EXPIRATION DATE 8-20-98

INSPECTOR RANDY ADKINS DHEC LICENSE NO 22218 EXPIRATION DATE 4-21-99

NOTIFY OF RESULTS NAME B. MURRAY PHONE NO EXT. 234

Relinquished to W.E. May Date 1/23/98

Relinquished by B. Murray Date 1-23-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
99-NW-29		SHEETROCK W/TAPE & JOINT COMPOUND, CORED SAMPLE FROM WALL CORNER	NONE	WEM
99-NW-30		↓ ↓	NONE	WEM
99-NW-31		SHEETROCK W/TAPE & JOINT COMPOUND, CORED SAMPLE, SEAMED JOINT	NONE	WEM
99-NW-32		FILLER MORTAR FROM BETWEEN FLOOR JOIST	NONE	WEM
99-NW-33		BRICK MORTAR FROM BRICK PILING	NONE	WEM
99-NW-34		EXTERIOR WINDOW GLAZING	NONE	WEM
99-NW-35		↓ ↓	CHRYSOPILE	WEM

Analyst(s) W.E. May Date 1/23/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
100 NAVY WAY, QUARTERS "A"
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 7952 square feet. Built in 1905. Exterior is wood siding . Roofing material is metal roofing and rolled roofing. House is in good condition but there are signs of neglect such as flaking paint and deteriorating TSI.

2. FINDINGS:

Nineteen homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the 19 homogeneous materials, **6 were confirmed to contain asbestos, 1 was assumed to contain asbestos**, and 12 were found to be asbestos free.

CONFIRMED ACM

1. PUTTY, used as packing between piping and wall in mechanical room
2. PIPING TSI, in mechanical room
3. PIPING TSI, in both crawl spaces
4. HVAC DUCT TSI, in both crawl spaces, some TSI has been removed from this duct but large remnants are still in place
5. SOIL, from crawl space, loose pieces of TSI scattered throughout both crawl spaces
6. SHEET VINYL FLOORING and MASTIC, kitchen and adjacent storage room, bathroom # 2 and # 7

ASSUMED ACM

1. CERAMIC TILE MORTAR, bathrooms 3, 4, 5, and 6

ASBESTOS FREE

1. MORTAR or PLASTER-LIKE MATERIAL, located in mechanical room between overhead joist (samples # 3 and #4)
2. FIREPROOF SHEATHING, in mechanical room on ceiling.
3. LOOSE PIECES OF DRYWALL / PLASTER, in crawl space.
4. DRYWALL / PLASTER, throughout house, walls and ceilings.
5. MASTIC, on outdoor carpet, back porch.
6. INSULATION, dark brown, in attic adjacent to bathroom #7
7. INSULATION, yellow, in storage #2
8. ROOFING FELT / TAR, obtained from 3rd floor, storage #4
9. TILE WALLBOARD, bathroom #7
10. DECORATIVE PLASTER, in living room
11. WINDOW GLAZING
12. PIPE TSI, in kitchen storage room (samples # 52, 53, and 54)

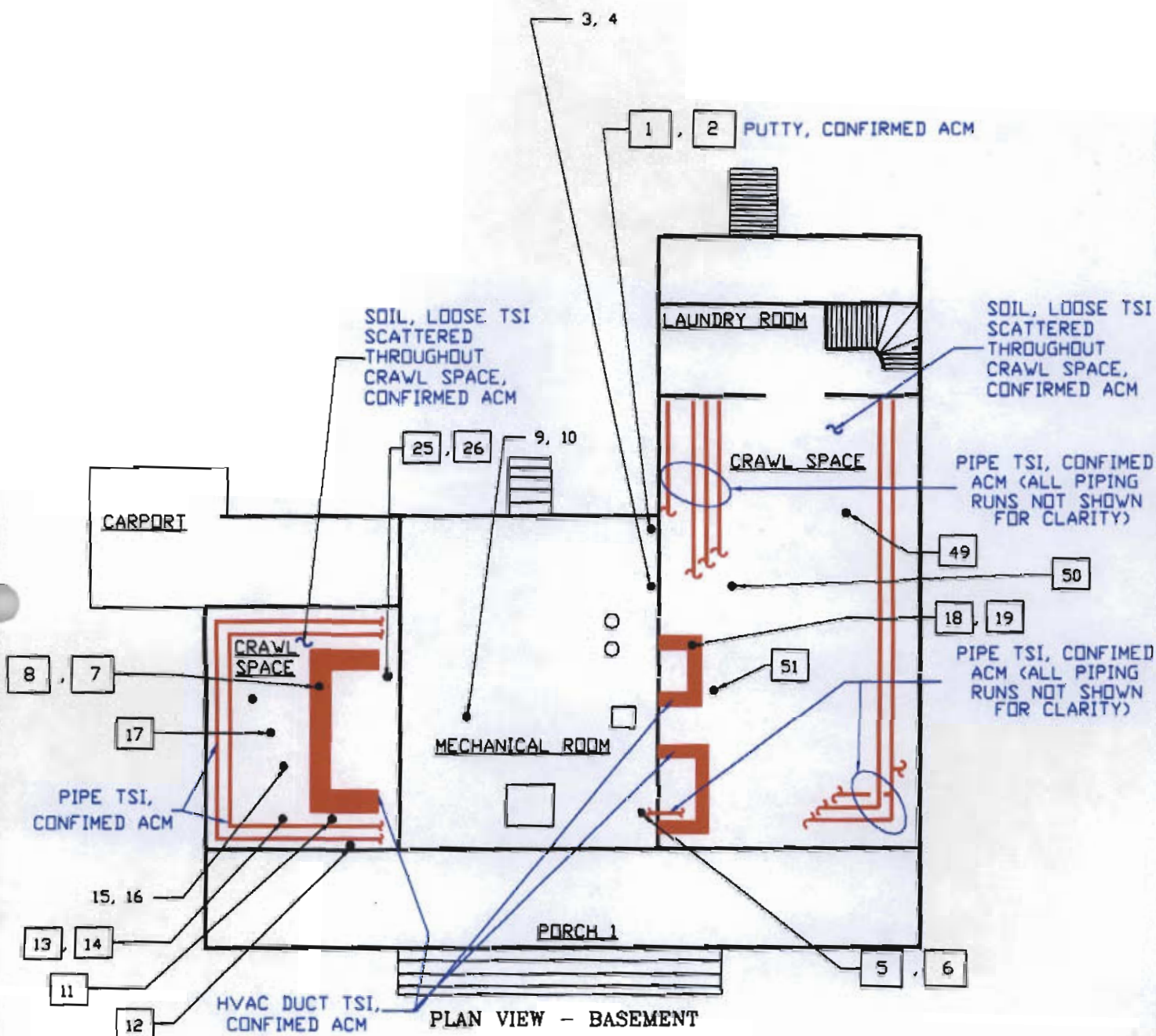
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**100 NAVY WAY
QUARTERS A**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
100-NW-1 100-NW-2	Y Y	MISC., Putty / packing between piping and wall. Mach. Room / Basement	2 cubic ft.	4	Yes	SD	50	REMOVE	
100-NW-5 100-NW-6 100-NW-11 100-NW-12	Y Y Y Y	PIPING TSI, mechanical room and both crawl spaces	530 LF	1	Yes	SD	25	REMOVE	
100-NW-7 100-NW-8 100-NW-18 100-NW-19	Y Y Y Y	HVAC Duct TSI, in both crawl spaces	30 LF	1	Yes	SD	30	REMOVE	
100-NW-13 100-NW-14 100-NW-17 100-NW-25 100-NW-26 100-NW-49 100-NW-50 100-NW-51	Y Y Y Y Y Y Y Y	SOIL, loose pieces of TSI scattered throughout both crawl spaces	1482 sq. ft.	1	Yes	SD	100	REMOVE	
100-NW-55 100-NW-56 100-NW-57	Y Y Y	MISC., SHEET VINYL FLOORING, kitchen and storage, bathrooms # 2, and # 7	428 sq. ft.	6	YES, only where damaged	G	<1	REPAIR, O & M	flooring raised up and separating near sink in bathroom # 2
ASSUMED	A	MISC., CERAMIC TILE MORTAR, bathrooms 3, 4, 5, and 6	628 sq. ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



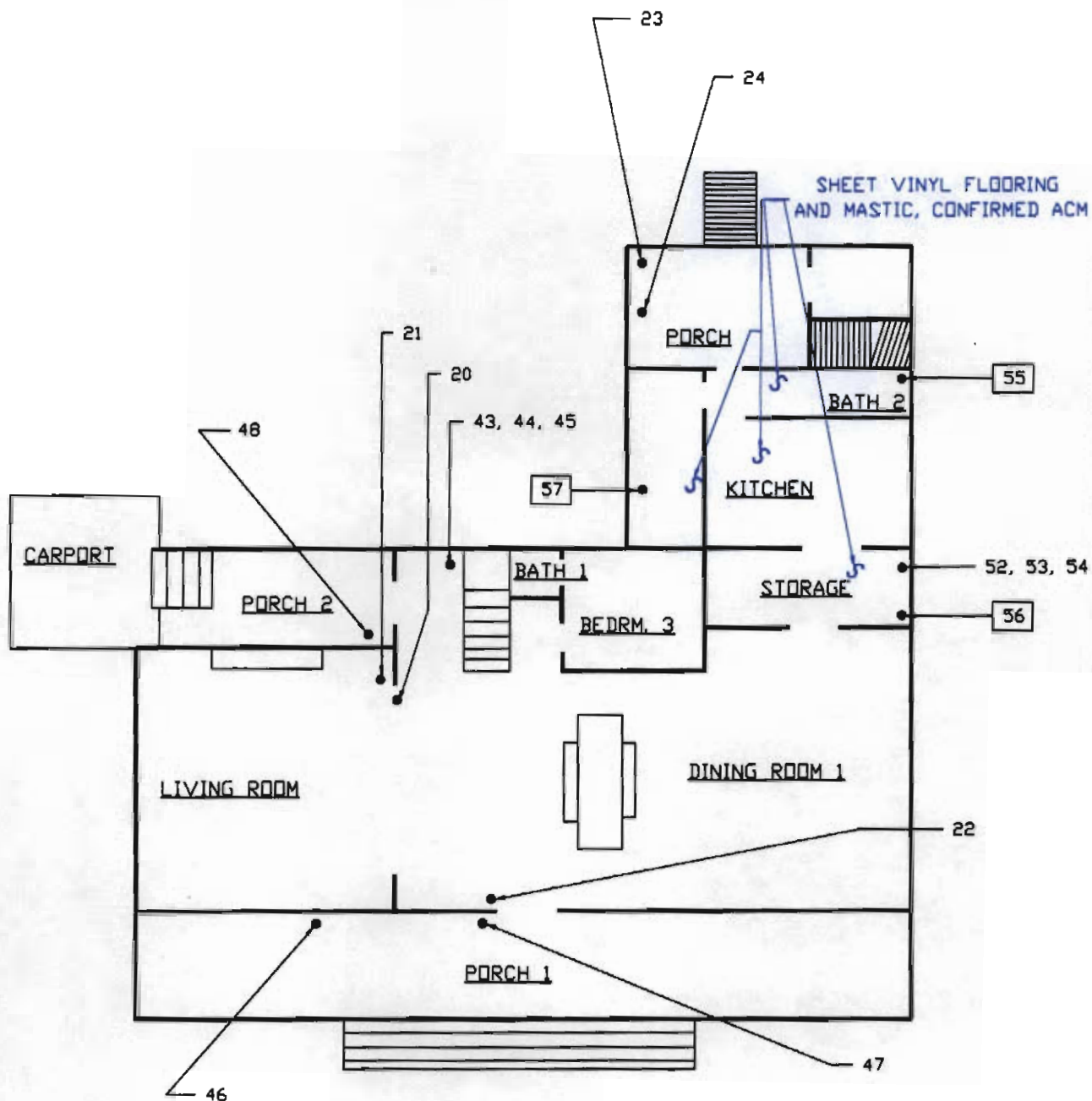
LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC 29405-2108
Ph. (803) 743-6777

Floor Plan
100 NAVY WAY - QUARTERS "A"
Charleston Naval Base
Charleston, SC

DWG DATE: 04 FEB 98 DWG NAME: ASB 100_3



PLAN VIEW - FIRST FLOOR

LEGEND

• - SAMPLE LOCATION

XX - ASBESTOS DETECTED IN THIS SAMPLE

XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN

1899 North Hobson Ave.

North Charleston, SC 29405-2108

Ph. (803) 743-8777

Floor Plan

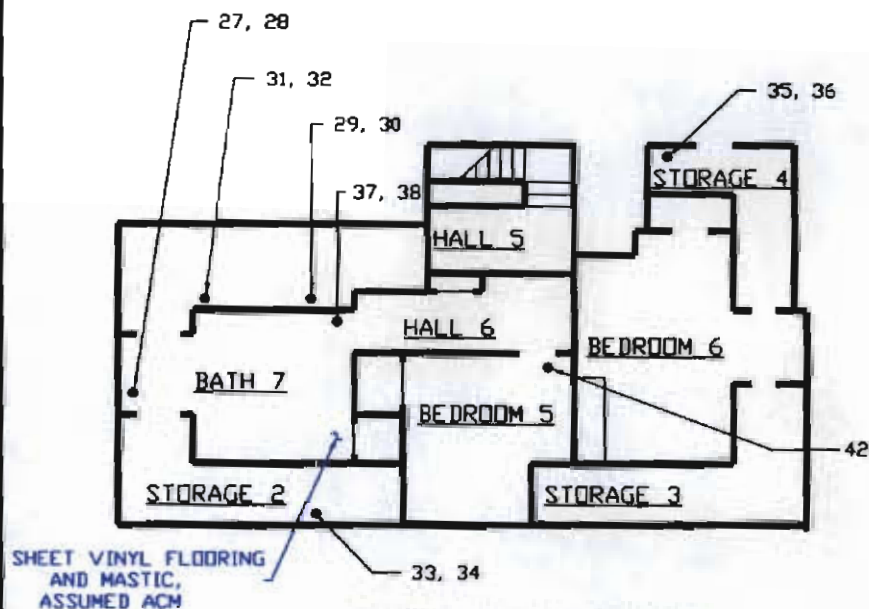
100 NAVY WAY - QUARTERS "A"

Charleston Naval Base

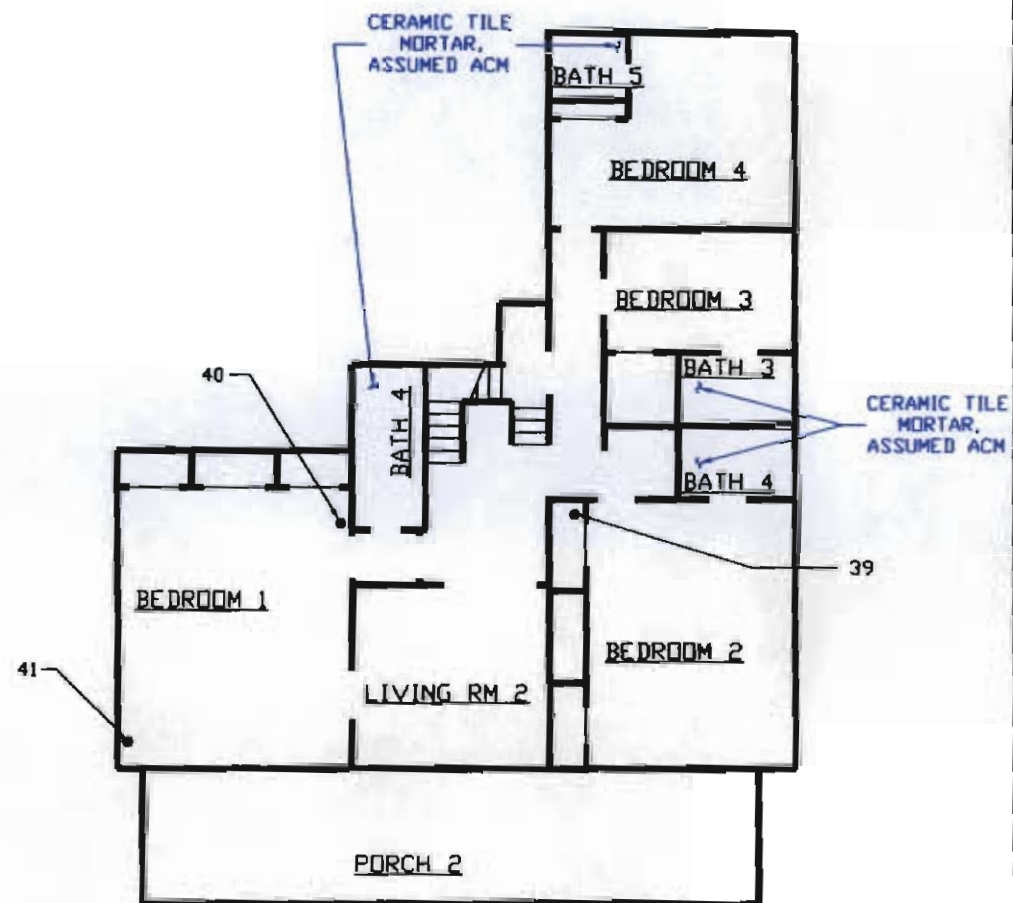
Charleston, SC

DWG DATE: 04 FEB 98

DWG NAME: ASB 100_1



PLAN VIEW - 3rd FLOOR



PLAN VIEW - SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan
100 NAVY WAY - QUARTERS "A"
Charleston Naval Base
Charleston, SC

DWG DATE: 05 FEB 98 DWG NAME: ASB 100_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 100 NAVY WAY "A" Date 5/8/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/22/97

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to James J. Smith Date 5-8-97

Relinquished by James Lewis Date 5/8/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-1	—	BASEMENT / MECH. ROOM, PUTTY FROM BETWEEN PIPING AND WALL	CHRYSTOTILE	WAR
100 NW-2	—	↓ ↓	CHRYSTOTILE	WAR
100 NW-3	—	BASEMENT / MECH ROOM, LOOSE GROUT OR MORTAR-LIKE MATERIAL	NONE	WAR
100 NW-4	—	↓ ↓	NONE	WAR
100 NW-5	—	PIPING TSI BASEMENT / MECH ROOM	CHRYSTOTILE	WAR
100 NW-6	—	↓ ↓	CHRYSTOTILE	WAR
100 NW-7	—	BASEMENT / MECH. ROOM DUCT / VENT TSI	CHRYSTOTILE	WAR
100 NW-8	—	↓ ↓	CHRYSTOTILE	WAR

Analyst(s) W. Lamp Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 100 NAVY WAY "A" Date 5/8/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 230 254
~~Reece Charpia~~

Relinquished to James L. Smith Date 5-8-97

Relinquished by James L. Smith Date 7/8/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-9	—	BASMENT / MECH. ROOM FIREPROOF SHEATHING ON CEILING	NONE	WAL
100 NW-10	—	↓ ↓	NONE	WAL
100 NW-11	—	CRAWL SPACE FROM MECH. ROOM, TSI ON PIPING	CHRYSOTILE	WAL
100 NW-12	—	↓ ↓	CHRYSOTILE	WAL
100 NW-13	—	CRAWL SPACE FROM MECH. ROOM, TSI, LOOSE, LYING ADRIFT	CHRYSOTILE	WAL
100 NW-14	—	↓ ↓	CHRYSOTILE	WAL
100 NW-15	—	CRAWL SPACE FROM MECH. ROOM DRYWALL/PLASTER, LOOSE LYING ADRIFT	NONE	WAL
100 NW-16	—	↓ ↓	NONE	WAL

Analyst(s) W. J. Ramey Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 100 NAVY WAY Date 5/8/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 230 234
Royce Charpin

Relinquished to James J. Smith Date 5-8-97

Relinquished by James Lewis Date 5/8/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-17	—	CRAWL SPACE FROM MECH ROOM, TSE/CORRUGATED PAPER LYING AROUND	CITRYSOTILE	WR
100 NW-18	—	CRAWL SPACE FROM BASEMENT, VENT DUCT TSE	CITRYSOTILE	WR
100 NW-19	—	↓ ↓	CITRYSOTILE	WR

Analyst(s) Go Law Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QTR "A"

From: (Project) Envir. Eng. & Remediation Detachment Building 100 NAVY WAY Date 5/8/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME JAMES LEWIS PHONE NO 743-6482 Ext. 230-234

Relinquished to James Z. Smith Date 5-8-97

Relinquished by James Lewis Date 5/8/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NAVY WAY 20		PLASTER FROM LIVING RM 1	NONE	WZ
21		↓	NONE	WZ
22		↓	NONE	WZ
23		MASTIC FROM OUTDOOR CARPET ON BACK PORCH	NONE	WZ
24		↓	NONE	WZ
25		SOIL SAMPLE FROM UNDER LIVING ROOM 1 (CRAWL SPACE ACCESSED FROM MECH. RM/RAMP)	CITRYSOTILE	WZ
26		↓ ↓	CITRYSOTILE	WZ

Analyst(s) WZ Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 100 NAVY WAY "A" Date 5/8/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO. 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS: NAME BRUCE MURRAY
Royce Charpie PHONE NO 743-6482 Ext. 230 234

Relinquished to James Lewis Date 5-8-97

Relinquished by James Lewis Date 5/8/97

Logged in by James Lewis Date 5/8/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NAVY WAY 27		MUD FROM UNDER WINDOW IN 3RD FLOOR BATH	NONE	WAR
100 NAVY WAY 28		↓	NONE	WAR
100 NAVY WAY 29		THE MATERIAL LAYING IN ATTIC BEHIND BATH TUB STORAGE	NONE	WAR
30		↓	NONE	WAR
31		BLACK DARK BROWN FIBERS INSULATION IN ATTIC BEHIND TUB	NONE	WAR
32		↓	NONE	WAR
33		STORAGE 2 FADED YELLOW INSULATION	NONE	WAR
34		↓	NONE	WAR

Analyst(s) WAR Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 100 NAVY WAY "A" Date 5/8/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

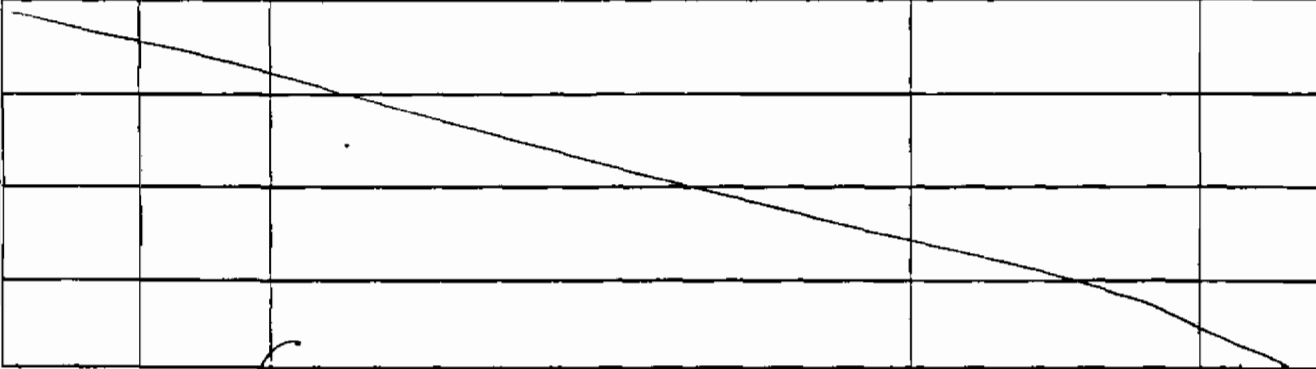
NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO. 743-6482 Ext 230-234
Royce Charpia

Relinquished to James J. Smith Date 5-8-97

Relinquished by James Lewis Date 5/8/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-35	—	3 rd FLOOR, STORAGE 4, ROOFING FELT, TAR	NONE	WAR
100 NW-36	—	↓ ↓	NONE	WAR
100 NW-37	—	3 rd FLOOR, BATHROOM #7 TILE WALLBOARD	NONE	WAR
100 NW-38	—	↓ ↓	NONE	WAR
				

Analyst(s) WAR Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

Quarters A

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building

100 NAVY WAY

Date

1-26-98

INSPECTOR Bruce Murray

DHEC LICENSE NO 21687

EXPIRATION DATE 8-20-98

INSPECTOR Randy Askins

DHEC LICENSE NO 22218

EXPIRATION DATE 4-23-98

NOTIFY OF RESULTS. NAME

Bruce Murray

PHONE NO

Ext. 234

Relinquished to

Date

Relinquished by

[Signature]

Date

1-26-98

Logged in by

Date

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
100-NW -39		PLASTER, CORED THROUGH SHEETROCK INTO PLASTER	NONE	J.F.S.
-40		PLASTER FROM BEHIND SWITCHPLATE	NONE	J.F.S.
-41		PLASTER FROM BEHIND OUTLET PLATE	NONE	J.F.S.
-42		PLASTER FROM BEHIND SWITCH PLATE	NONE	J.F.S.
-43		DECORATIVE PLASTER IN LIVING ROOM	NONE	J.F.S.
-44		↓	NONE	J.F.S.
-45		↓	NONE	J.F.S.
-46		WINDOW GLAZING	NONE	J.F.S.

Analyst(s)

[Signature]

Date

1-27-98

Analyst(s)

[Signature]

Date

1-28-98

Results Logged

Date

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

102 NAVY WAY

From: (Project) Envir. Eng. & Remediation Detachment Building Quarters A Date 1-26-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR Randy Atkins DHEC LICENSE NO 22218 EXPIRATION DATE 4-23-98

NOTIFY OF RESULTS NAME Bruce Murray PHONE NO Ext. 234

Relinquished to J. J. Smith Date 1-26-98

Relinquished by [Signature] Date 1-26-88^{80m} 98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-47		WINDOW GLAZING	NONE	J.J.S.
100 NW-48		WINDOW GLAZING	NONE	J.J.S.
100 NW-49		SOIL, (LOOSE TSI), SCATTERED IN CRAWL SPACE BELOW KITCHEN	10% CHRYSOTILE	J.J.S.
100 NW-50		TSI	29% AMOSITE 10% CHRYSOTILE	J.J.S.
100 NW-51		TSI	10% CHRYSOTILE	J.J.S.

Analyst(s) J. J. Smith Date 1-27-98

Analyst(s) 7 Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building Q.R.S. A Date: 1-27-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-91

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8-20-91

NOTIFY OF RESULTS NAME B. Murray PHONE NO Ext 254

Relinquished to J. Smith Date 1-27-98

Relinquished by B. Murray Date 1-27-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
100 NW-52		PIPE TIE FROM KITCHEN	NONE	J.L.S.
-53			NONE	J.L.S.
-54			NONE	J.L.S.
-55		SHEET VINYL FLOORING (MULTIPLE LAYERS) ADJACENT TO BOTTOM LAYER MASTIC ON BOTTOM LAYER	> 1% CHRYSO TILE	J.L.S.
-56	BOM	FLOOR TIE MASTIC SHEET VINYL 1ST FOUR LAYERS FLOORING (MULTIPLE LAYERS)	> 1% CHRYSO TILE	J.L.S.
-57		SHEET VINYL FLOORING / MASTIC MULTIPLE LAYERS 3rd LAYER (DOWN)	> 1% CHRYSO TILE	J.L.S.

Analyst(s) James J. Smith Date 1-27-98

Analyst(s) James J. Smith Date 1-28-98

Results Logged _____ Date _____

**ASBESTOS SURVEY
QUARTERS "B", 200 NAVY WAY
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

House is 3952 square feet and is in good condition. The construction date of this house is 1905. Interior walls are sheetrock, exterior siding is wood, roof is asphalt shingle.

2. FINDINGS:

Sixteen homogenous materials were identified as suspected Asbestos Containing Material (ACM). Of the sixteen homogenous materials, **five were confirmed to contain asbestos, four were assumed to contain asbestos**, and seven were asbestos free.

CONFIRMED ACM:

1. PIPING TSI, located in crawl space
2. PIPING TSI, located in attic
3. SOIL, loose pieces of TSI scattered throughout crawl space soil
4. ATTIC INSULATION UNDER DETERIORATING PIPE TSI, attic insulation is non-asbestos but has been contaminated by falling debris from pipe TSI
5. SHEETROCK JOINT COMPOUND, all walls and ceilings throughout house.

ASSUMED ACM:

1. SHEET VINYL FLOORING AND MASTIC, located in the kitchen and porch
2. SHEET VINYL FLOORING AND MASTIC, located in bathrooms 3 and 4.
3. CERAMIC TILE MORTAR, all bathrooms
4. FURNACE, in heater room, see General Note 3

ASBESTOS FREE:

1. ATTIC INSULATION,
2. WALLPAPER, bathroom #2
3. CAULK, located in bathrooms
4. FIREPROOF SHEATHING (w/ black paper)
5. DRYWALL (w/ brown paper)
6. JOINT COMPOUND, on fireproof sheathing and drywall in mechanical room
7. WINDOW GLAZING

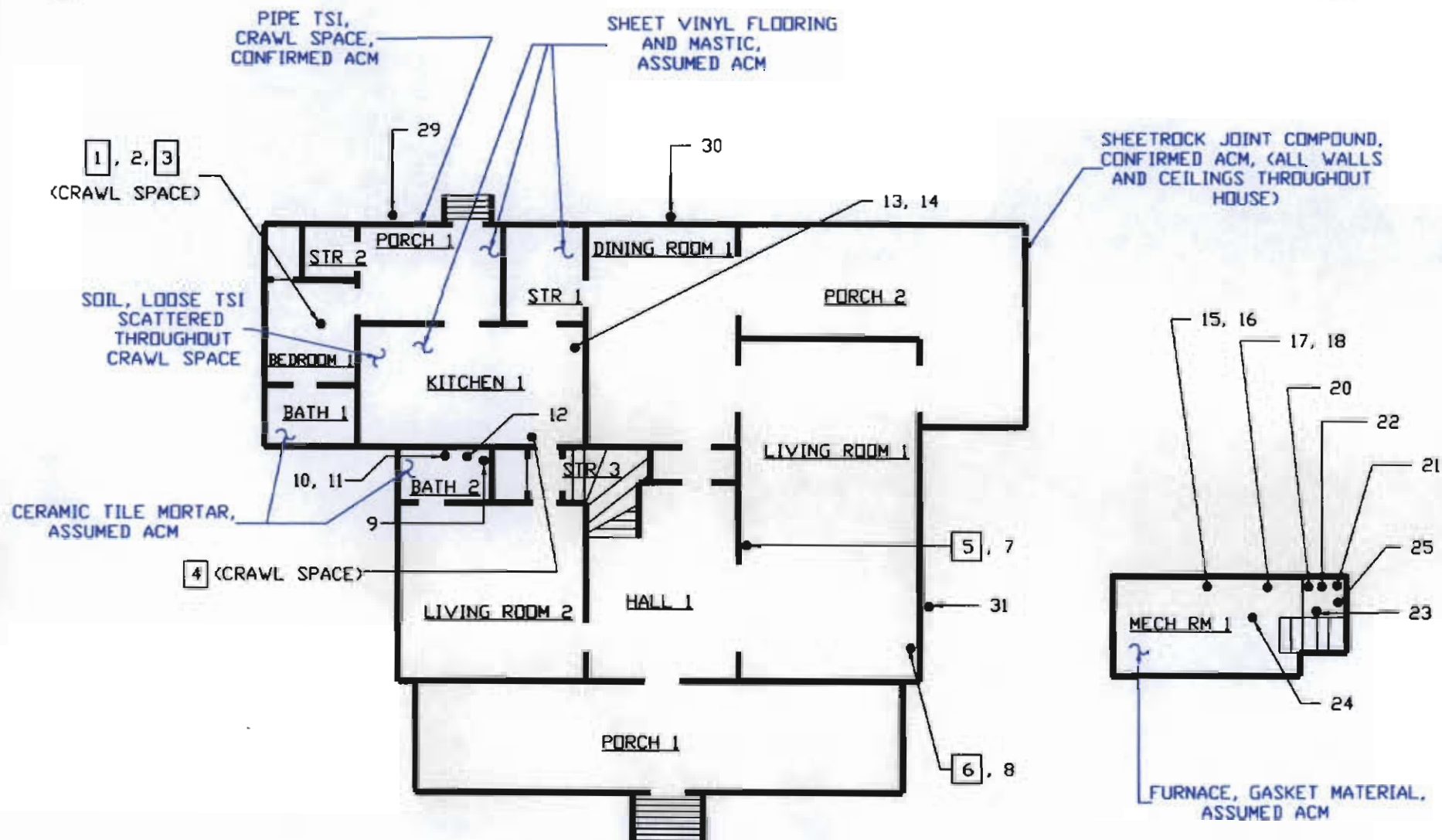
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**200 NAVY WAY
QUARTERS B**

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
200-NW-3	Y Y	PIPE TSI, crawl space	130 LF	1	YES	SD	15	REMOVE	some piping tsi in crawl space has previously been replaced
200-NW-26	Y	PIPE TSI, attic	160 LF	1	YES	SD	15	REMOVE	
200-NW-1 200-NW-4	Y Y	SOIL, loose TSI scattered throughout crawl space soil	2000 sq. ft.	1	YES	SD	100	Remove loose TSI and soil.	
200-NW-27 200-NW-28	N Y	ATTIC INSULATION UNDER DAMAGED PIPE TSI	480 sq. ft.	1	YES	SD	100	REMOVE	Pipe tsi has deteriorated and fell on attic insulation. Attic insulation is non- asbestos.
200-NW-5 200-NW-6 200-NW-19	Y Y Y	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	11,320 sq. ft.	5	Only where Damaged	D	< 1	Repair damage	<ul style="list-style-type: none"> Bedroom # 4, ceiling has water damage, approx. 4 sq. ft. Living room # 1 has water damage, approx. 4 sq. ft.
ASSUMED	A	MISC., SHEET VINYL FLOORING, kitchen and porch 3	300 sq. ft.	6	NO	G	< 1	O & M	tested positive in other Charleston Naval housing units
ASSUMED	A	MISC., SHEET VINYL FLOORING, bathroom 3 and 4	115 sq. ft.	6	NO	G	< 1	O & M	tested positive in other Charleston Naval housing units
ASSUMED	A	MISC., CERAMIC TILE MORTAR, all bathrooms	445 sq. ft.	8	NO	G	0	O & M	
ASSUMED	A	FURNACE	*	*	*	*	*	*	gen note # 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



PLAN VIEW - FIRST FLOOR

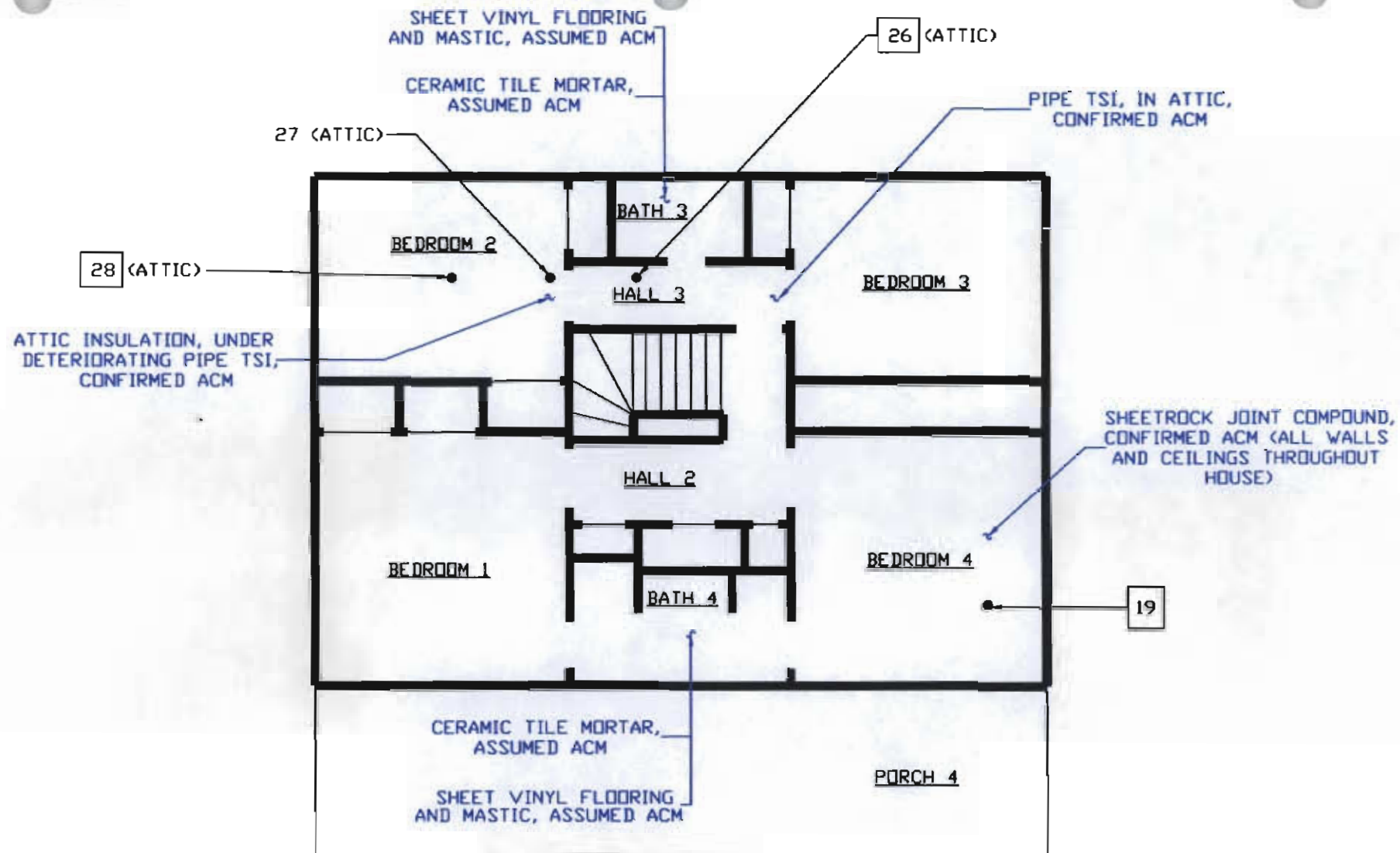
LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-8777

Floor Plan
200 NAVY WAY - QUARTERS "B"
Charleston Naval Base
Charleston, SC

DWG DATE: 05 FEB 98 DWG NAME: ASB 200_1



PLAN VIEW - SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASAN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan
200 NAVY WAY - QUARTERS "B"
Charleston Naval Base
Charleston, SC

DWG DATE: 05 FEB 98 | DWG NAME: ASB 200_2

**ENVIR (MENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 200 NAVY WAY "B" Date: 5/7/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 230 234
Royce Chandra

Relinquished to James J. Smith Date 5-7-97

Relinquished by James Lewis Date 5/7/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
200 NW-1	—	CRAWL SPACE CORRUGATED PAPER (LAYING ON GROUND)	CHRYSOTILE	WJR
200 NW-2	—	CRAWL SPACE PIPE TSI, BLACK FELT WRAP	NONE	WJR
200 NW-3	—	PIPE TSI, WHITE CHALKY CRAWL SPACE	CHRYSOTILE	WJR
200 NW-4	—	CRAWL SPACE SOIL	CHRYSOTILE	WJR
200 NW-5	—	LIVING ROOM #1, MUD (PUTTY) AROUND OUTLETS, BELOW CHAIR RAIL	CHRYSOTILE	WJR
200 NW-6	—	↓ ↓	CHRYSOTILE	WJR
200 NW-7		LIVING ROOM #1, WALLBOARDS BELOW CHAIR RAIL	NONE	WJR
200 NW-8		↓ ↓	NONE	WJR

Analyst(s) WJR Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRC MENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
 1899 North Hobson Avenue
 North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 200 NAVY WAY "B" Date: 5/7/97
 SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO 743-6482 Ext 230 234

Relinquished to James J. Smith Date 5-7-97

Relinquished by James J. Smith Date 5/7/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
200 NW-9	—	BATHROOM #2 (WHITE W/ 45° BEIGE STRIPES) WALL PAPER	NONE	WAC
10		↓ ↓	NONE	WAC
11		MUD FROM OVER MEDICINE CABINET IN BATH MUD	NONE	WAC
12		CHALK FROM BATH NO 2	NONE	WAC
13		SHEETROCK IN KITCHEN *	NONE	WAC
14		↓	NONE	WAC
15		MUD FROM WALL SHEATHING IN MECH RM	NONE	WAC
16		SHEATHING IN OVER HEAD IN MECH RM 1 W/BLACK	NONE	WAC

Analyst(s) W. Lamp Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) **Envir. Eng. & Remediation Detachment** Building 200 WALY WAY Date 5/7/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Ronnie Chandra PHONE NO 743-6482 Ext 230-234

Relinquished to James J. Smith Date 5-7-97

Relinquished by James Lewis Date 5/17/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
200 NW-17		SHEATHING w/BROWN PAPER MECH	NONE	WA
18		SHEATHING ↓	NONE	WR
19		BED ROOM L4 MUD & TAPE FROM DAMAGED OVERHEAD	CHRYSTOLE	WR

Analyst(s) W. Law Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTERS B

From: (Project) Envir. Eng. & Remediation Detachment Building 200 NAVY WAY Date: 1-29-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/20/91

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Bruce Murray PHONE NO. Ext 234

Relinquished to J. L. Smith Date 1-29-98

Relinquished by Bruce Murray Date 1-29-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
200-NW-20		JOINT COMPOUND FROM DRYWALL (BROWN PAPER) IN MECH ROOM	NONE	J.L.S.
-21		↓	NONE	J.L.S.
-22		↓	NONE	J.L.S.
-23		JOINT COMPOUND FROM BLACK SHEATHING IN MECH. ROOM	NONE	J.L.S.
-24		↓	NONE	J.L.S.
-25		↓	NONE	J.L.S.

Analyst(s) J. L. Smith Date 1-29-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building QUARANTERS "B" Date: 1-29-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S) 200 NAVY WAY

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO. LET 234

Relinquished to J. L. Smith Date 1-29-98

Relinquished by B. D. G. Date 1-27-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
200-NAV -26		PIPE TSI, ATTIC	CHRYSTOLITE	JHC
-27		ATTIC INSULATION BELOW DETERIORATING PIPE TSI	NONE	JHC
-28		↓ ↓	YELLOW MATERIAL NONE DETECTED WHITE MATERIAL IS CHRYSTOLITE	JHC
BDM -29				
BDM -30				

Analyst(s) H. Charles Date 1-30-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building QUARTER B 200 NAVY WAY Date: 1-30-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/98

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRY PHONE NO 3-6177 EXT 234

Relinquished to _____ Date _____

Relinquished by James Lewis Date 1/30/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
200 NW-29		WINDOW GLAZING 1 ST FLOOR	NONE	J.L.S.
-30		↓	NONE	J.L.S.
-31		↓	NONE	J.L.S.

Analyst(s) James J. Smith Date 2-02-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

NOTE:

- ASBESTOS TSI IN THE CRAWL SPACE OF QUARTERS C WAS REMOVED DURING FEBRUARY OF 1998.
- ASBESTOS CONTAMINATED SOIL IN CRAWL SPACE OF QUARTERS C WAS ENCAPSULATED WITH CONCRETE IN FEBRUARY OF 1998.
- ALL OTHER ACM FOUND DURING THE INSPECTION COVERED BY THIS REPORT REMAINS IN PLACE.

**ASBESTOS SURVEY
QUARTERS "C", 300 NAVY WAY
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 6451 square feet. Built in 1908. Exterior is wood siding. Roof is metal with a applied coating. No roofing samples were obtained.

2. FINDINGS:

Fourteen homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the fourteen homogeneous materials, **4 were confirmed to contain asbestos, 4 were assumed to contain asbestos**, and 6 were found to be asbestos free.

CONFIRMED ACM

1. PLASTER, located on walls and ceilings throughout house
2. PIPING TSI, crawl space
3. SOIL, crawl space
4. PACKING / PUTTY , basement, between piping and brick wall

ASSUMED ACM

1. SHEET VINYL FLOORING and MASTIC, kitchen, laundry, and storage room
2. TILE WALLBOARD (TRANSITE), kitchen
3. CERAMIC TILE MORTAR, all bathrooms
4. BOILER, see General Note 3

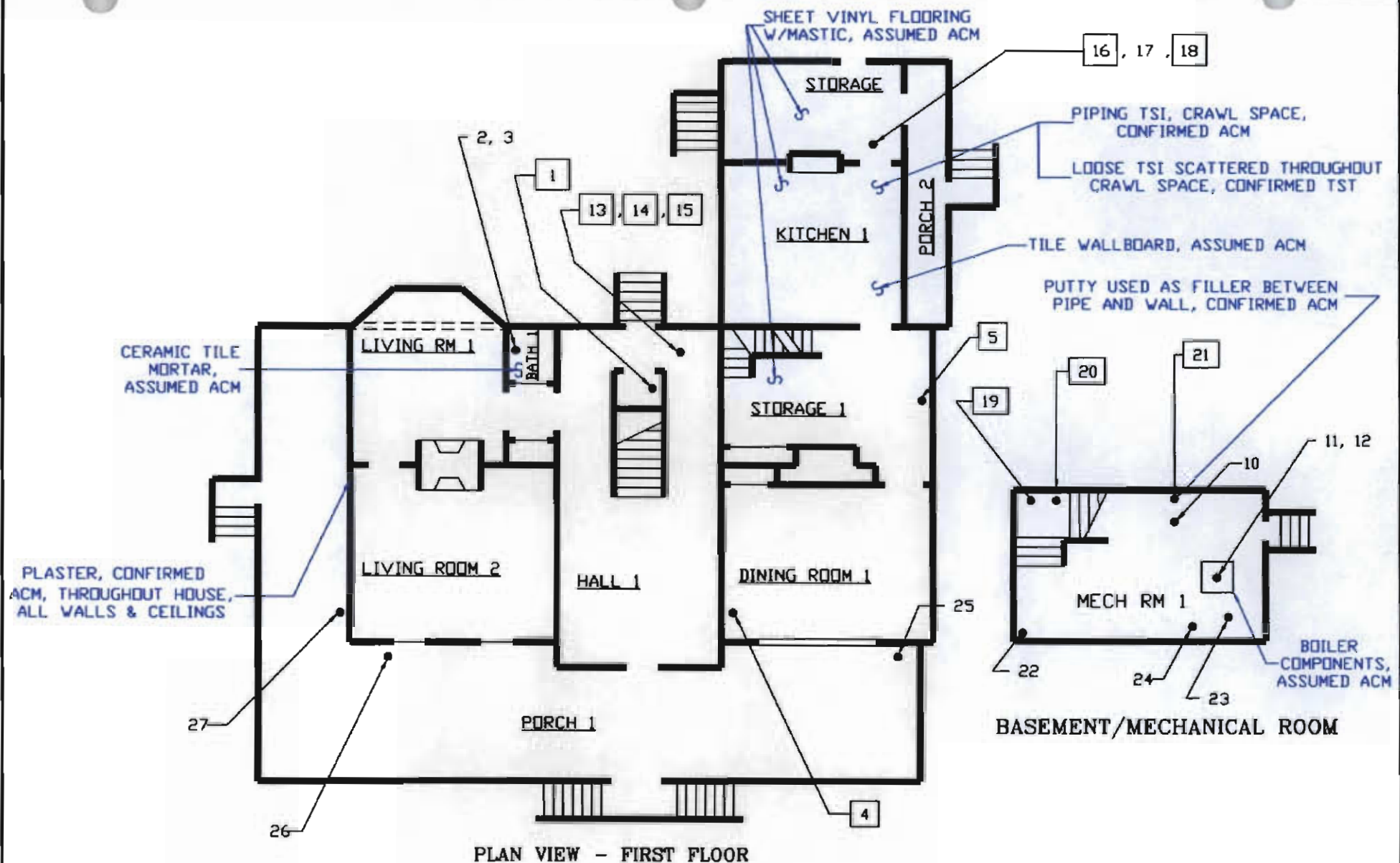
ASBESTOS FREE

1. ATTIC SHEATHING
2. ATTIC INSULATION
3. WALLPAPER
4. PIPING TSI, only in basement / mechanical room
5. HVAC DUCT TSI, only in basement / mechanical room
6. WINDOW GLAZING

BUILDING SUMMARY TABLE**CHARLESTON NAVAL COMPLEX
HOUSING****QUARTERS "C"
300 NAVY WAY**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
300-NW-1 300-NW-4 300-NW-5 300-NW-19 300-NW-20	Y Y Y Y Y	PLASTER, walls and ceilings throughout house	15500 sq. ft.	3	YES, only where damaged	G	< 1	Repair	Approx. 2 sq. ft. area damaged in basement
300-NW-13 300-NW-15 300-NW-16 300-NW-17	Y Y Y Y	PIPING TSI, crawl space	460 LF	1	YES	SD	35	REMOVE	ABATEMENT OF THIS MATERIAL IS IN PROGRESS
300-NW-14 300-NW-18	Y Y	SOIL, (loose piping tsi) crawl space	1400 sq. ft.	1	YES	SD	100	REMOVE	ABATEMENT OF THIS MATERIAL IS IN PROGRESS
300-NW-21	Y	MISC. PUTTY / PACKING, used as filler between pipe and brick wall in basement	1 sq. ft.	8	NO	D	20	REMOVE	
ASSUMED	A	MISC. SHEET VINYL FLOORING and MASTIC, kitchen, laundry, storage rooms	630 sq. ft.	6	NO	G	0	O & M	
ASSUMED	A	MISC. TILE WALLBOARD (transite), kitchen	32 sq. ft.	8	NO	G	0	O & M	
ASSUMED	A	MISC. CERAMIC TILE MORTAR, all bathrooms	637 sq. ft.	8	NO	G	0	O & M	
ASSUMED	A	BOILER	*	*	*	*	*	*	* see general note # 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



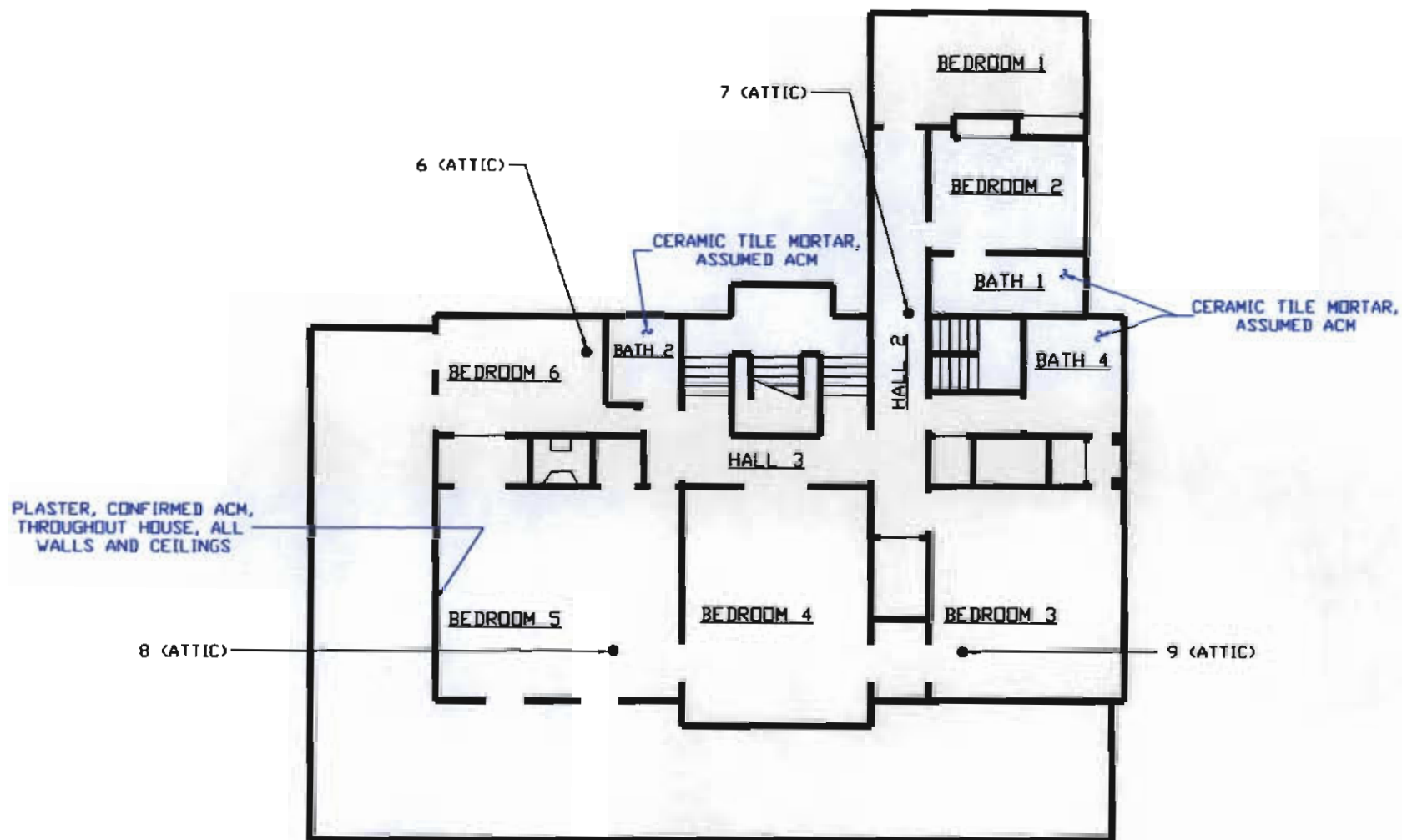
LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETCHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan
300 NAVY WAY - QUARTERS "C"
Charleston Naval Base
Charleston, SC

DWG DATE: 05 FEB 98 DWG NAME: ASB 300_1



PLAN VIEW - SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan
300 NAVY WAY - QUARTERS "C"
Charleston Naval Base
Charleston, SC

DWG DATE: 06 FEB 98

DWG NAME: ASB 300_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 300 N. 4th St Date 5-15-97

INSPECTOR Reece Murrett DHEC LICENSE NO 31687 EXPIRATION DATE 5/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Reece Murrett PHONE NO 743-6482 Ext. 230 234

Relinquished to James J. Smith Date 5-6-97

Relinquished by James J. Smith Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
300 NW-1	—	STORAGE BELOW STAIRS PLASTER (PI)	CHRYSOTILE	WR
300 NW-2	—	BATHRM #1 WALLPAPER (WP)	NONE	WR
300 NW-3	—	↓ ↓	NONE	WR
300 NW-4	—	DINING ROOM 1 SHEETROCK PLASTER WITH ROCKS	CHRYSOTILE	WR
300 NW-5	—	STORAGE 1 PLASTER	CHRYSOTILE	WR
300 NW-6	—	ATTIC INSULATION	NONE	WR
300 NW-7	—	↓ ↓	NONE	WR
300 NW-8	—	ATTIC SHEATING	NONE	WR

Analyst(s) WR Date 5-8-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 300 NAVY WAY Date 5/5/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 2/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY
Royce Charpin PHONE NO 743-6482 Ext 230 234

Relinquished to James J. Smith Date 5-6-97

Relinquished by James Lewis Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
300 NW-9	—	ATTIC SHEATHING	NONE	WAC
300 NW-10	—	BASEMENT, PIPE TSI (1" PIPE, OVERHEAD, NEAR PUMP) TSI-1	NONE	WAC
300 NW-11	—	BASEMENT, PIPE TSI VENT TSI FAN BOILER VENT DUCT TSI	NONE	WAC
300 NW-12	—	BASEMENT, BOILER VENT TSI	NONE	WAC
300 NW-13	—	CRAWL SPACE, PIPING TSI TSI-1 (LAYING ON GROUND, FELL OFF PIPE)	CHRYBOTILE	WAC
300 NW-14	—	CRAWL SPACE SOIL - TSI	CHRYBOTILE	WAC
300 NW-15	—	CRAWL SPACE, PIPING TSI, CORRUGATED PAPER (LAYING ON GROUND) TSI	CHRYBOTILE	WAC
300 NW-16	—	PIPE TSI CRAWL SPACE TSI-1	CHRYBOTILE	WAC

Analyst(s) WAC Date 5-8-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 300 NAVY WAY Date _____
SAMPLES TAKEN BY LICENSED INSPECTOR(S) _____

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to James J. Smith Date 5-6-97

Relinquished by James Lewis Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1-1 300 NW-17		CRAWL SPACE, PIPE TSI, LATING ON GROUND	NONE	WA
-1V 300 NW-18		CRAWL SPACE SOIL - TSI	CHRYBOTILE	WA
-1V 300 NW-19		BASMENT PLASTER	CHRYBOTILE	WA
2-1V 300 NW-20		↓ ↓	CHRYBOTILE	WA
300 NW-21		BASMENT, PUTTY (FROM BETWEEN PIPE & BECK)	CHRYBOTILE	WA

Analyst(s) [Signature] Date 5-8-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTER C

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 300 NAVY WAY

Date: 2-2-98

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME B. MURRAY PHONE NO EXT. 234

Relinquished to J. J. Smith Date 2-3-98

Relinquished by Bruce Murray Date 2-3-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
300 -NW-22		PIPE TSE, 6" PIPE NEAR BRICK WALL, (PORTION OF METAL COVER REMOVED)	NONE	J.J.S.
300 -NW-23		PIPE TSE, 5" PIPE OFF BOTTOM OF BOILER	NONE	J.J.S.
300 -NW-24		PAVING AROUND PIPE WHERE PIPE GOES THRU BRICK WALL (HARD, WHITE, MORTAR-LIKE MAT'L)	NONE	J.J.S.
-25		WINDOW GLAZING	NONE	J.J.S.
-26		↓	NONE	J.J.S.
-27		↓	NONE	J.J.S.

Analyst(s) J. J. Smith Date 2/3/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
QUARTERS "J" 311 NAVY WAY
CHARLESTON NAVAL COMPLEX
CHARLESTON, S. C.**

1. DESCRIPTION:

Unit is approximately 2624 square feet and was built in 1917. Exterior is lapboard siding with asphalt shingles and is in good condition.

2. FINDINGS:

Fifteen homogenous materials were identified as suspected Asbestos Containing Material (ACM). Of the fifteen homogenous materials, **5 were confirmed to contain asbestos, 3 were assumed to contain asbestos, and 6 were asbestos free.**

CONFIRMED ACM:

1. WALLBOARD, (MISC), Located in mech. room, covered with sheet metal
2. SHEET VINYL FLOORING, (MISC) Located in the kitchen, and storage # 2.
Four layers of flooring, only 3rd and 4th layers contain asbestos.
3. MORTAR, (MISC), large pile of ceramic tile w/ mortar in crawl space
4. TSI, loose pieces of TSI scattered throughout soil in crawl space
5. DRYWALL, (MISC) loose pieces in crawl space

ASSUMED ACM:

1. BOILER, internal components / gaskets (TSI), located in mech. room
2. FLOOR TILE, 9" x 9", located in porch 2, on ramp leading to kitchen
3. CERAMIC TILE MORTAR, in all bath rooms

ASBESTOS FREE:

1. WALLPAPER, in bath #2
2. TEXTURED CEILING, blown or rolled on
3. PLASTER
4. SHEETROCK JOINT COMPOUND
5. WINDOW GLAZING
6. ROOFING FELT

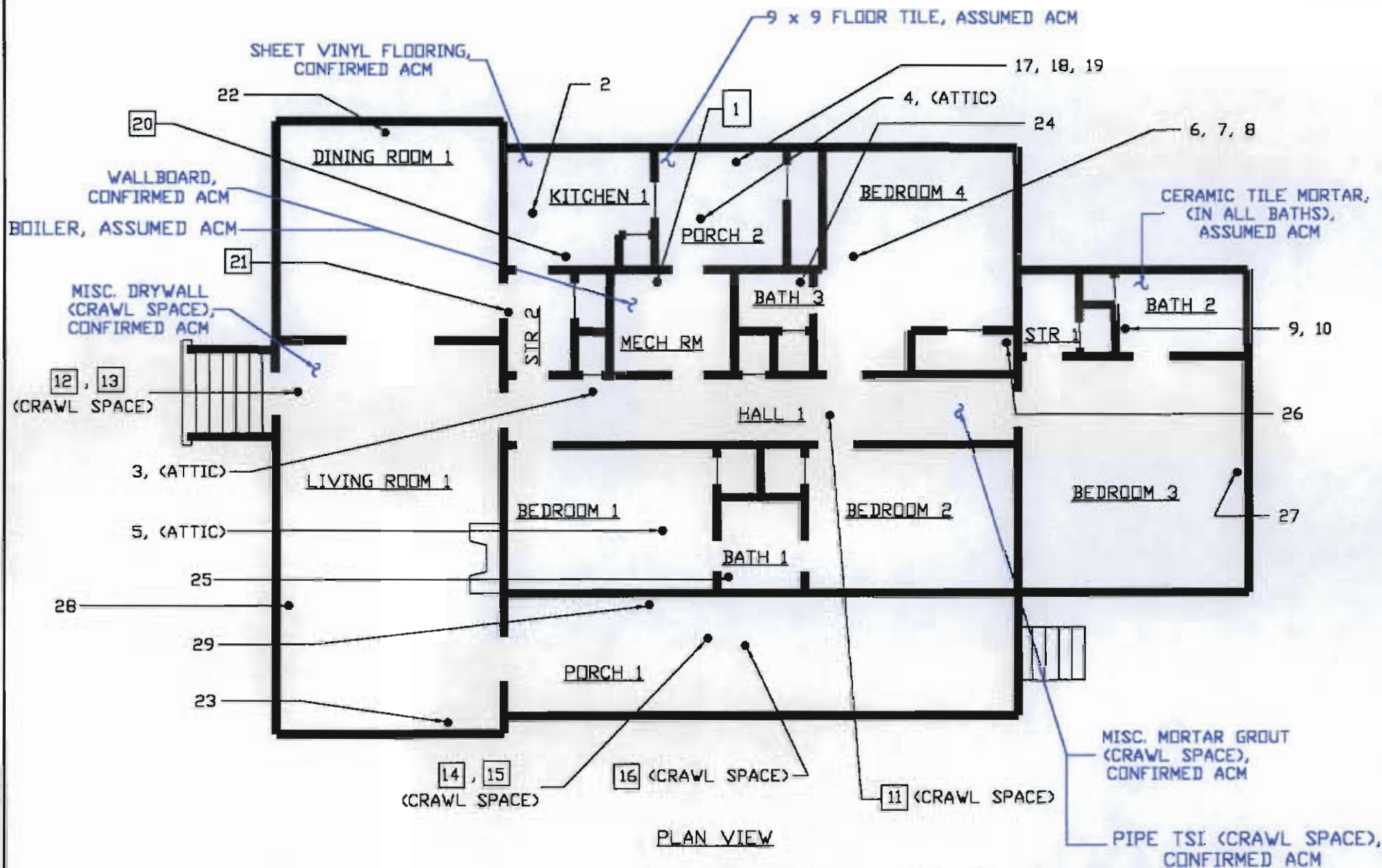
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**311 Navy Way
QUARTERS "J"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	ASHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
311-NW-1	Y	MISC., WALLBOARD, mech. room	175 sq. ft.	4	Y	D	*	REMOVE REPAIR	* wallboard is covered with sheet metal
ASSUMED	A	TSI, BOILER, internal components / gaskets	N / A	8	N	G	0	O & M	SEE NOTE #3
311-NW-11	Y	MISC. MORTAR, crawl space, construction debris	10 cubic feet	4	Y	D	100	REMOVE	
311-NW-14 311-NW-15 311-NW-16	Y Y Y	TSI, crawl space, loose pieces scattered throughout soil	2624 sq. ft.	1	Y	SD	100	REMOVE	
311-NW-12 311-NW-13	Y Y	MISC. DRY - WALL, loose pieces in crawl space	15 sq. ft.	4	Y	SD	100	REMOVE	
311-NW-20 311-NW-21	Y Y	MISC., SHEET VINYL FLOORING, kitchen, storage # 2,	150 sq. ft.	6	N	G	0	O & M	
ASSUMED	A	MISC. FLOOR TILE, 9" X 9", porch 2	10 sq. ft.	6	N	G	0	O & M	
ASSUMED	A	MISC CERAMIC TILE MORTAR, all bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan
311 NAVY WAY - QUARTERS "J"
Charleston Naval Base
Charleston, SC

DWG DATE: 09 FEB 98

DWG NAME: ASB 311

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 311 NAVY WAY "J" Date 5/6/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME BRUCE MURRAY ~~ROVOS CHARPIA~~ PHONE NO 743-6482 Ext. 230 234

Relinquished to James J. Smith Date 5-6-97

Relinquished by Bruce Murray Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
311 NW-1	-	MECH. ROOM, WALL BOARD	CHRYSTOTILE	WAR
311 NW-2	-	KITCHEN CEILING, PLASTER	NONE	WAR
311 NW-3	-	ATTIC, ROOFING FELT EXTENDING INTO DORMER ROOF VENT	NONE	WAR
311 NW-4	-	ATTIC, LOOSE ROOFING FELT	NONE	WAR
311 NW-5	-	ATTIC, LOOSE ROOFING SHINGLE	NONE	WAR
311 NW-6	-	BEDROOM #4 BLOWN CEILING	NONE	WAR
311 NW-7	-	↓ ↓	NONE	WAR
311 NW-8	-	BEDROOM #4 PLASTER CEILING, SHEETROCK, TAPE & MUD	NONE	WAR

Analyst(s) WJ Smith Date 5-9-97
Analyst(s) _____ Date _____
Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 311 NAVY WAY "J" Date 5/6/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO 743-6482 Ext. 230 234
Revee Charpia

Relinquished to James J. Smith Date 5-6-97

Relinquished by Bruce Murray Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
311 NW-9	—	BATHROOM #2 WALLPAPER	NONE	WAC
311 NW-10	—	BATHROOM #2 WALLPAPER	NONE	WAC
311 NW-11	—	LOOSE TILE IN CRAWL SPACE FILLER MATERIAL (CEMENT)	CHRYBOTILE	WAC
311 NW-12	—	LOOSE DRY-WALL, LAYING ON GROUND IN CRAWL SPACE	CHRYBOTILE	WAC
311 NW-13	—	↓ ↓	CHRYBOTILE	WAC
311 NW-14	—	LOOSE PAPER, LAYING ON GROUND IN CRAWL SPACE (TSI?)	CHRYBOTILE	WAC
311 NW-15	—	LOOSE CORRUGATED PAPER, LAYING ON GROUND IN CRAWL SPACE	CHRYBOTILE	WAC
311 NW-16	—	SOIL FROM CRAWL SPACE (DEBRIS)	CHRYBOTILE	WAC

Analyst(s) W. J. Lamp Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 311 NAVY WAY Date 5/6/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME Royce Chappia PHONE NO 743-6482 Ext. 230

Relinquished to James Lewis Date 5-6-97

Relinquished by Bruce Murray Date 5/6/97

Logged in by [Signature] Date 5/6/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
311 NAVY WAY-17		FELT UNDER GREEN SHINGLES	NONE	WR
18		GREEN SHINGLES	NONE	WR
19		ROLL ROOFING MAT'L	NONE	WR

Analyst(s) [Signature] Date 5-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIATION DETACHMENT CHARLESTON

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 311 NAVY WAY

Date: 2-4-98

INSPECTOR JAMES LEWIS

DHEC LICENSE NO 21686

EXPIRATION DATE 5-20-98

INSPECTOR _____

DHEC LICENSE NO _____

EXPIRATION DATE _____

NOTIFY OF RESULTS NAME JAMES LEWIS PHONE NO 6777-EXT 139

Relinquished to J. L. Smith

Date 2-4-98

Relinquished by James Lewis

Date 2/4/98

Logged in by _____

Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
311-NW -20		SHEET VINYL FLOORING KITCHEN (MULTIPLE LAYERS) <u>3RD & 4TH LAYER</u>	3% CHRYSOCTILE	J.L.S.
311 NW 21		SHEET VINYL FLOORING, STORAGE MULTIPLE LAYERS <u>3RD & 4TH LAYER</u>	3% CHRYSOCTILE	J.L.S.
311 NW 22		PLASTER, DINING ROOM	NONE	J.L.S.
311 NW -23		PLASTER, LIVING ROOM WALL	NONE	J.L.S.
311 NW -24		PLASTER, BATHROOM 3 WALL, BEHIND SWITCH PLATE	NONE	J.L.S.
311 NW -25		PLASTER, BATHROOM 1 WALL, BEHIND SWITCH PLATE	NONE	J.L.S.
311 NW -26		SHEET ROCK / JOINT JOINT COMPOUND BEDROOM 4 CLOSET	NONE	J.L.S.
311 NW 27		SHEET / JOINT COMPOUND BEDROOM # 3	NONE	J.L.S.

Analyst(s) James L. Smith

Date 2/5/98

Analyst(s) _____

Date _____

Results Logged _____

Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106

ASBESTOS IDENTIFICATION

QUARTERS J

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 311 NAVY WAY

Date: 2-4-98

INSPECTOR Bruce Murray

DHEC LICENSE NO. 21687

EXPIRATION DATE 8-20-98

INSPECTOR JAMES LEWIS

DHEC LICENSE NO. 21686

EXPIRATION DATE 8-10-98

NOTIFY OF RESULTS NAME JAMES LEWIS PHONE NO. 6997 EXT 139

Relinquished to _____ Date _____

Relinquished by James Lewis Date 2/4/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
311-NW -28		WINDOW GLAZING	NONE	J.L.S.
311-NW -29		↓ ↓	NONE	J.L.S.

Analyst(s) James J. Smith Date 2-5-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
795 AVENUE F, BUILDING # 758
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 3992 square feet. Approximate date of construction is 1942. Exterior is concrete block. Roofing material is asphalt shingle. Roofing samples were not obtained. Units at 801 Avenue F and 795 Avenue F are both built to the NH-64 floor plan. Many materials in both units are of the same homogeneous group.

2. FINDINGS:

Nine homogeneous materials were identified as suspected Asbestos Containing Material (ACM). Of the 9 homogeneous materials, **1 was confirmed to contain asbestos, 5 were assumed to contain asbestos**, and 3 were found to be asbestos free.

CONFIRMED ACM

1. PIPE TSI, located in garage, in attic over second floor, in attic over mechanical room, and in attic over bedroom 1

ASSUMED ACM

1. MORTAR for clay tile, in kitchen and porch
2. MORTAR for ceramic tile, all upstairs bathrooms
3. BOILER, mech. room (see gen. note # 3)
4. SHEET VINYL FLOORING, located in storage rooms 1 and 2, adjacent to kitchen
5. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house
(samples confirmed at 801 Ave. F)

ASBESTOS FREE

1. WALL COVERING, rolled-on, rough finish, storage room 2
2. WALLPAPER, bedroom # 3
3. WINDOW GLAZING

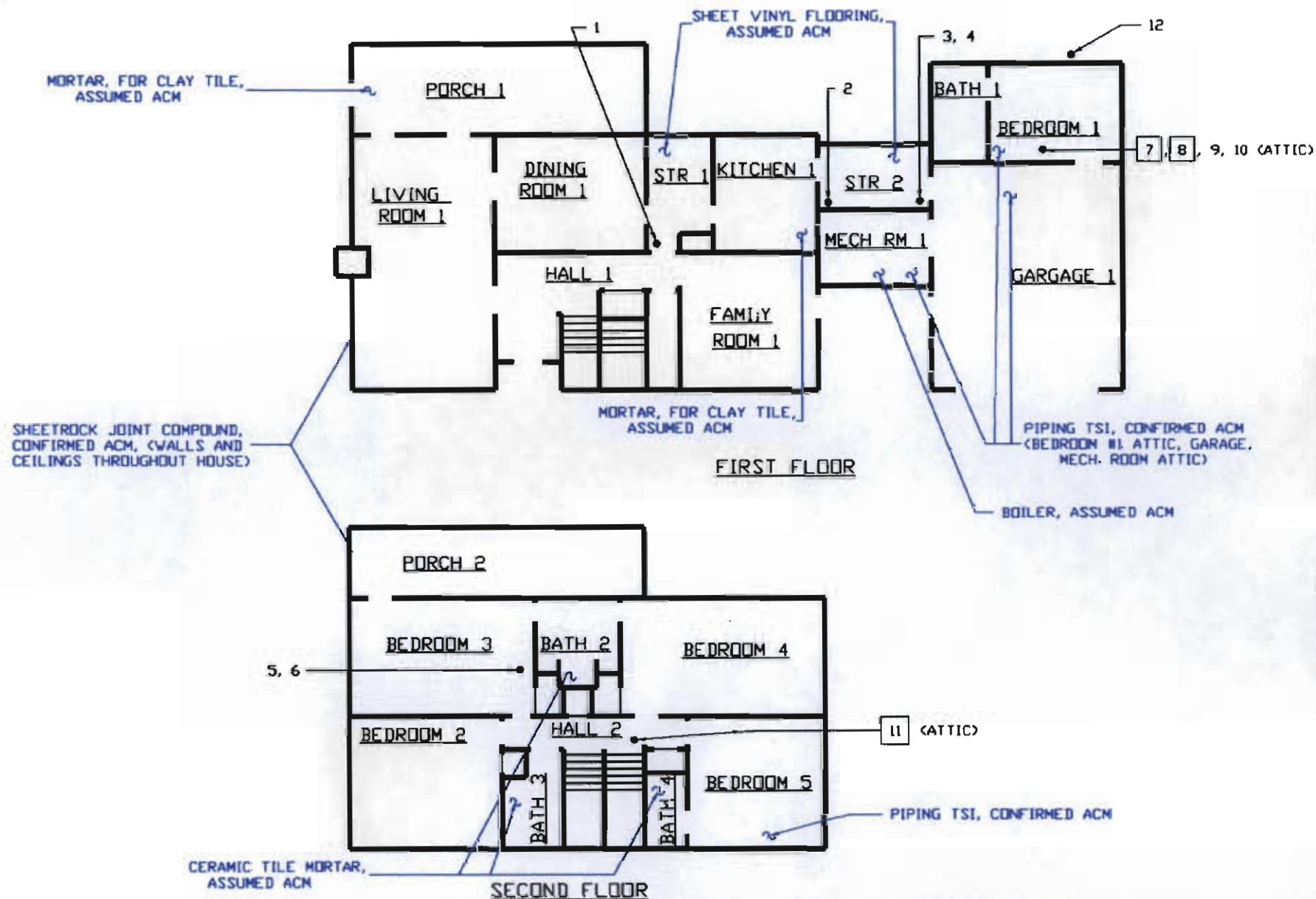
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**795 AVENUE F
BUILDING # 758**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
795 F-7 795 F-8 795 F-11	Y Y Y	TSI, PIPING, garage, attic above 2 nd floor, attic above mechanical room, and attic over bedroom # 1	650 LF	1	Y	SD	15	REMOVE	Damage exist in attic above 2 nd floor and attic above bedroom 1. Unable to enter attic above mech. room but condition and quantity is presumed to be similar to 801 Ave. F.
ASSUMED	A	MISC., SHETROCK JOINT COMPOUND, walls and ceilings throughout house	8336 sq. ft.	6	N	G	0	O & M	<ul style="list-style-type: none"> Assumed ACM based on results from 801 Ave. F. Also, see gen. note # 1
ASSUMED	A	MISC, MORTAR, clay tile, kitchen and porch	387 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	BOILER	*	*	*	*	*	*	see gen. note # 3
ASSUMED	A	MISC., SHEET VINYL FLOORING, located in storage rooms 1 and 2, adjacent to kitchen	137 sq. ft.	6	N	G	0	O & M	
ASSUMED	A	MISC, MORTAR, ceramic tile, all upstairs bathrooms	250 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: HMG.NO = Homogeneous Area Number, ACM = Asbestos Containing Material, Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (NH-64)
795 AVENUE "F"
Charleston Naval Base
Charleston, SC

DWG DATE: 09 FEB 98 DWG NAME: ASB 795

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 795 Ave F Date: 5/12/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21681 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO 743-6482 Ext 230 254
Royce Chapin

Relinquished to IN LAUX Date 5-13-97

Relinquished by James Levin Date 5/13/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
795F 1	—	STORAGE 1 SHEET VINYL FLOORING w/MASTIC	NONE	WAL
795F 2	—	STORAGE 2 SHEET VINYL FLOORING w/MASTIC	NONE	WAL
795F 3	—	STORAGE 2 ROLLED-ON WALL COATING (ROUGH FINISH)	NONE	WAL
795F 4	—	↓ ↓	NONE	WAL
795F 5	—	BEDROOM # 5 WALL PAPER BORDER	NONE	WAL
795F 6	—	↓ ↓	NONE	WAL
795F -7	—	MAIDS ROOM ATTIC, (BEDROOM) PIPING TSI (WHITE, CHALKY)	CHRYSO TIL AMOSITE	WAL
795F -8	—	↓ ↓	CHRYSO TIL AMOSITE	WAL

Analyst(s) W. J. Law Date 5-14-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 795 Ave F Date: 5/13/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charnia PHONE NO 743-6482 Ext. 230

Relinquished to W. LAUX Date 5-13-97

Relinquished by James Levin Date 5/13/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
795F-9	-	MAIDS ROOM ATTIC, (BEDROOM) BLACK ROOFING FELT	NONE	WR
795F-10	-	↓ ↓	NONE	WR

Analyst(s) [Signature] Date 5-14-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 795 AVENUE F Date 2-4-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME B. Murray PHONE NO Ext. 234

Relinquished to W.E. May Date 2/6/98

Relinquished by [Signature] Date 2-6-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
795 F - 11		PIPING TSI, ATTIC	CHrysotile	WEM
795 F - 12		WINDOW GLAZING	None	WEM

Analyst(s) W.E. May Date 2/6/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
801 AVENUE F, BUILDING # 759
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 3992 square feet. Approximate date of construction is 1942. Exterior is concrete block. Roofing material is asphalt shingle. Roofing samples were not obtained. Units at 801 Avenue F and 795 Avenue F are both built to the NH-64 floor plan. Many materials are homogeneous to both units.

2. FINDINGS:

Twelve homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the 12 homogeneous materials, **3 were confirmed to contain asbestos, 3 were assumed to contain asbestos**, and 6 were found to be asbestos free.

CONFIRMED ACM

1. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house
2. PIPE TSI, located in attic over mechanical room
3. SHEET VINYL FLOORING, located in bedroom 1 and storage rooms 1 and 2, adjacent to kitchen

ASSUMED ACM

1. MORTAR for clay tile, in kitchen and porch
2. MORTAR for ceramic tile, all upstairs bathrooms
3. BOILER, mech. room (see gen. note # 3)

ASBESTOS FREE

1. WALL COVERING, rolled-on, rough finish, storage room 2
2. WALLPAPER, living room # 1
3. WALLPAPER, storage # 1
4. WALLPAPER, kitchen
5. ATTIC INSULATION
6. WINDOW GLAZING

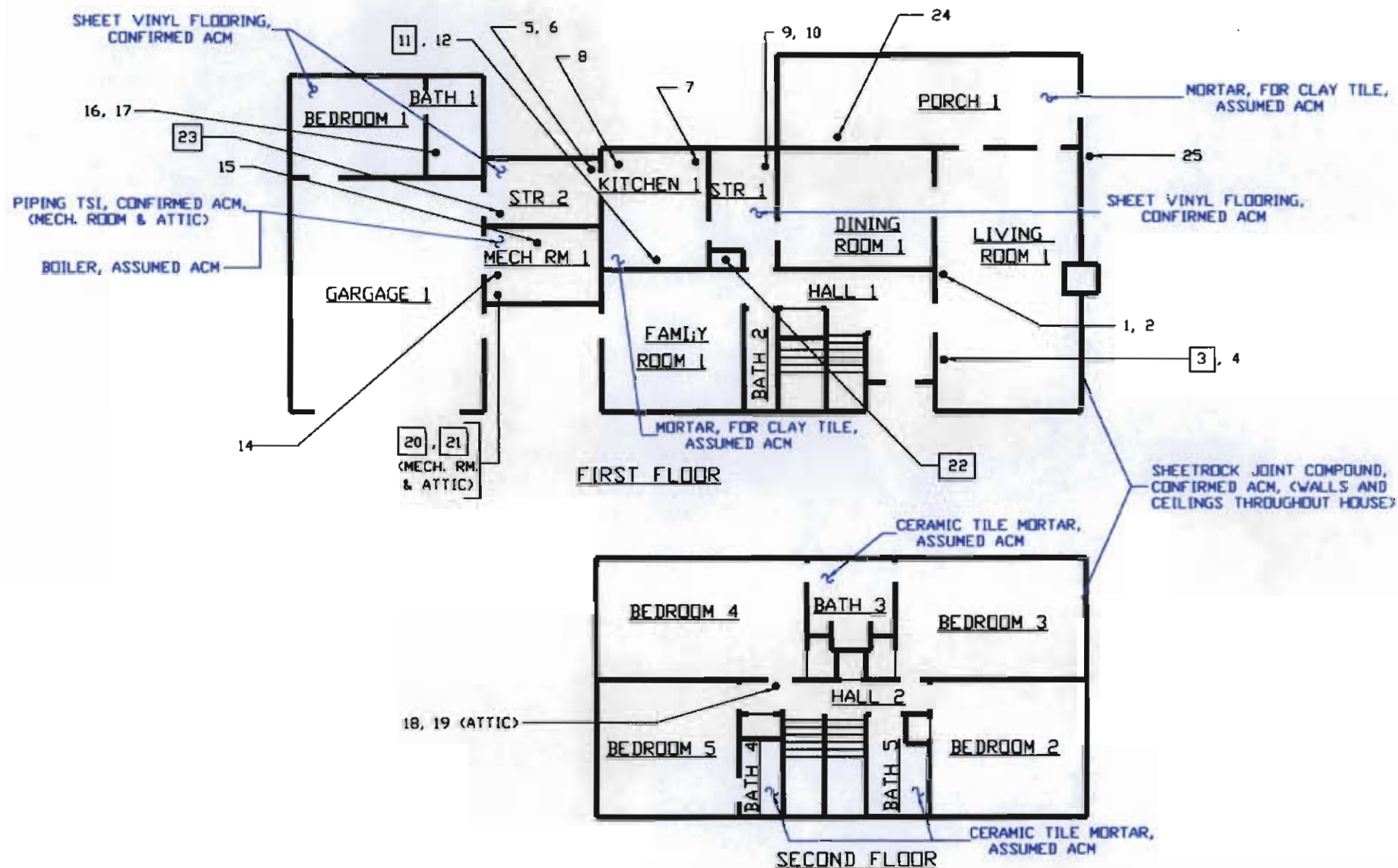
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**801 AVENUE F
BUILDING # 759**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
801 F-3 801 F-11	Y Y	MISC., SHETROCK JOINT COMPOUND, walls and ceilings throughout house	8336 sq. ft.	6	N	G	< 1	Repair, O & M	Gen. Note # 1 Approx. 15 sq. ft. of flaking paint, various areas
801-F-20 801-F-21	Y Y	TSI, PIPING, attic over mechanical room	60 LF	1	Y	SD	17	REMOVE	
801-F-22 801-F-23	Y Y	MISC., SHEET VINLY FLOORING, bedroom # 1, storage rooms # 1 and # 2	277 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	MISC, MORTAR, clay tile, kitchen and porch	387 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	MISC, MORTAR, ceramic tile, all upsairs bathrooms	250 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	BOILER	*	*	*	*	*	*	see gen. note # 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 801 AVE F Date: 5-13/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/24/97

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 230 234
~~ROVOC CHAPPA~~

Relinquished to W LAUX Date 5-14-97

Relinquished by JAMES LEWIS Date 5/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
801 F -1	—	LIVING ROOM 1 WALLPAPER BORDER	NONE	WA
801 F -2	—	↓ ↓	NONE	WA
801 F -3	—	LIVING ROOM 1 SHEETROCK <u>PUTTY</u>	CHRYSTOLE	WA
801 F -4	—	LIVING ROOM 1 SHEETROCK	NONE	WA
801 F -5	—	STORAGE 2 RULED-ON WALL COVERING (ROUGH FINISH)	NONE	WA
801 F -6	—	↓ ↓	NONE	WA
801 F -7	—	KITCHEN, SHEETROCK	NONE	WA
801 F -8	—	KITCHEN, SHEETROCK PUTTY CHALKING	NONE	WA

Analyst(s) W Laux Date 5-14-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 801 AVE F Date: 5/13/97

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/21/97

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS: NAME Bruce Murray
~~Royce Charrie~~ PHONE NO. 743-6482 Ext. 230-234

Relinquished to WLAUX Date 5-14-97

Relinquished by James Lewis Date 5/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
801F-9	—	STORAGE 1, WALL PAPER BORDER	NONE	WAC
801F-10	—	↓ ↓	NONE	WAC
801F-11	—	KITCHEN, SHEETROCK PUTTY	CHYROSITE	WAC
801F-12	—	KITCHEN WALL PAPER (BLUE w/WHITE LINES)	NONE	WAC
801F-13	—	↓ ↓	NONE	WAC
801F-14	—	MEET. ROOM WALL COVERING	NONE	WAC
801F-15	—	↓ ↓	NONE	WAC
801F-16	—	BATHROOM #1 PLASTER	NONE	WAC

Analyst(s) W. Lamp Date 5-14-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 801 Ave F Date: 5/13/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS: NAME Bruce Murray PHONE NO 743-6482 Ext. 230 234

Relinquished to W. LAUX Date 5-14-97

Relinquished by James Lewis Date 5/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
801F-17	—	BATHROOM #1 PLASTER	NONE	WAL
801F-18	—	UPSTAIRS ATTIC INSULATION	NONE	WAL
801F-19	—	↓ ↓	NONE	WAL
801F-20	—	MECH. ROOM ATTIC PIPING TSI (WHITE, CHALKY)	CHRYBOTILE	WAL
801F-21	—	↓ ↓	CHRYBOTILE	WAL

Analyst(s) W. Laux Date 5-14-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 801 AVE. F Date: 2-4-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-26-98

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME B. MURRAY PHONE NO EXT. 234

Relinquished to James J. Smith Date 2-4-98

Relinquished by Bruce Murray Date 2-4-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
801 F - 22		SHEET VINYL FLOORING (STORAGE ROOM / 3rd FLOOR) w/MASTIC POSSIBLE MULTI-LAYERS 3rd FLOOR LAYER & BOTTOM RED LAYER	2% CHRYSO TIL E	J.J.S.
- 23		SHEET VINYL FLOORING w/MASTIC, (STOR ROOM 2) POSSIBLE MULTI-LAYERS 3rd LAYER & BOTTOM RED LAYER	2% CHRYSO TIL E	J.J.S.
- 24		WINDOW GLAZING	NONE	J.J.S.
- 25		WINDOW GLAZING	NONE	J.J.S.

Analyst(s) James J. Smith Date 2-5-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
QUARTERS "NH-H" 1451 AVENUE H
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is approximately 2392 square feet and is built to the type 12 floor plan. Construction date is approximately 1919. Exterior of house is white stucco. Roofing material is asphalt shingles.

2. FINDINGS:

Eight homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the 8 homogeneous materials, **3 were confirmed to contain asbestos, 3 were assumed to contain asbestos**, and 2 were found to be asbestos free.

CONFIRMED ACM

1. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house, see General Note 1
2. PIPE TSI, crawl space
3. SOIL, crawl space, piping TSI is damaged and has contaminated soil

ASSUMED ACM

1. FLOOR TILE w/ MASTIC, kitchen
2. CERAMIC TILE MORTAR, in all bathrooms and kitchen
3. BOILER, mechanical room, see gen. note # 3

ASBESTOS FREE

1. WALLPAPER, kitchen
2. WINDOW GLAZING

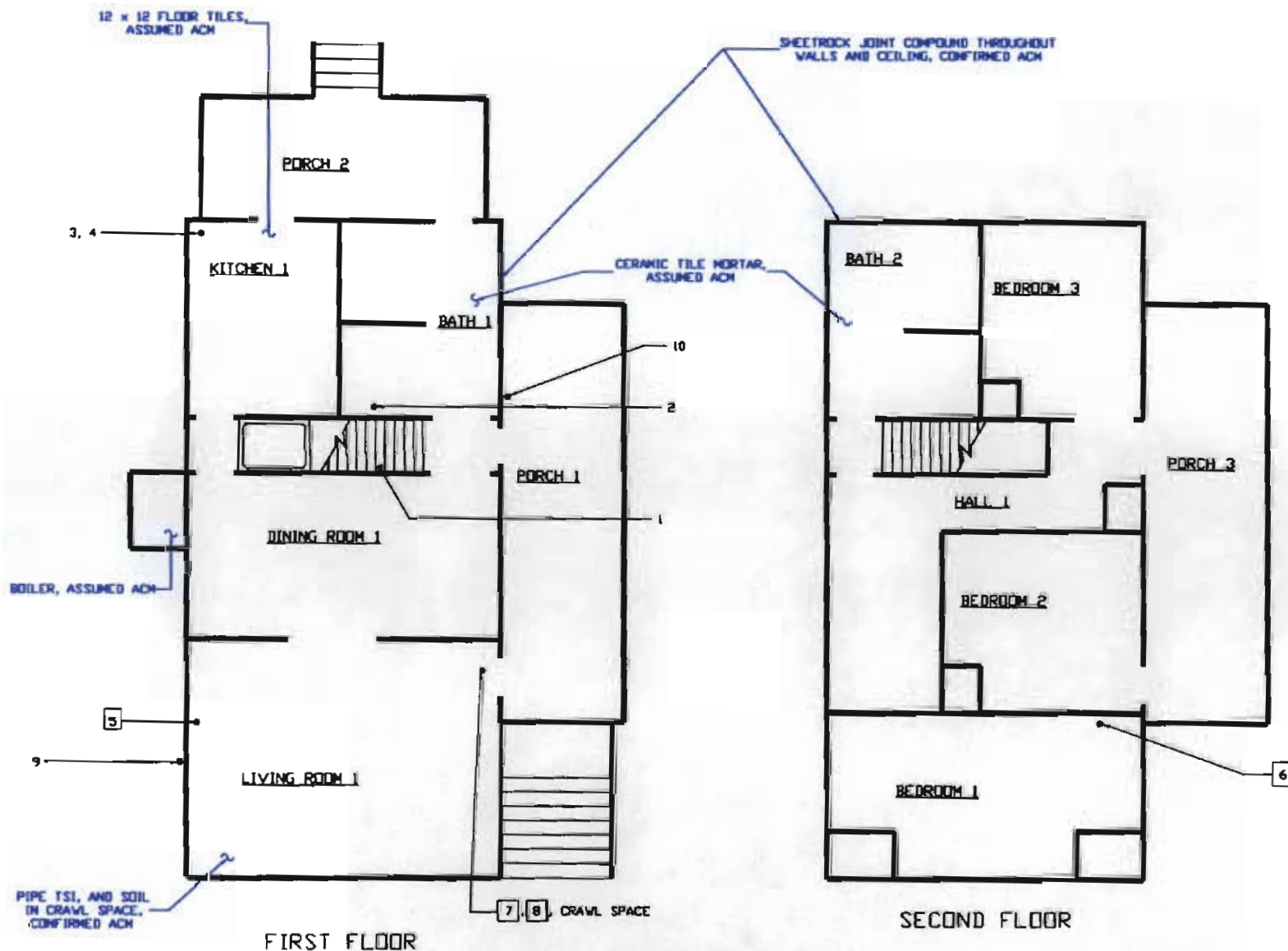
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1451 AVENUE H
QUARTERS NH-H**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	ASBESTOS CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1451 H-5 1451 H-6	Y Y	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	4600 Sq Ft	6	N	G	<1	O & M	see gen. note # 1
1451-H-8	Y	PIPE TSI, CRAWL SPACE	250 L F	1	Y	SD	>10	REMOVE REPAIR O & M	
1451-H-9	Y	SOIL, LOOSE TSI in crawl space	2624 Sq Ft	1	Y	D	100	REMOVE	
ASSUMED	A	MISC CERAMIC TILE MORTAR, in all bathrooms and kitchen	270 Sq Ft	6	N	G	0	O & M	
ASSUMED	A	TSI, BOILER, mech. room	N/A	8	N	G	0	O & M	see gen. note # 3
ASSUMED	A	MISC. FLOOR TILE, 12" x 12", kitchen	150 Sq Ft	6	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- ☒ - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type II)
1451 AVE "H"
Charleston Naval Base
Charleston, SC

DWG DATE: 11 FEB 98

DWG NAME: ABS 1451

North Charleston, South Carolina 29405-2106

Building 1451 AVE H

Date: 5/12/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/17

Relinquished to James J. Smith Date 5-13-97

Relinquished by Amel P. ... Date 5/13/97

Logged in by _____ Date _____

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1451 H-1	—	HALL, STAIRWAY SHEETROCK	NONE	WAR
1451 H-2	—	HALL, STAIRWAY SHEETROCK	NONE	WAR
1451 H-3	—	KITCHEN, WALL PAPER BORDER	NONE	WAR
1451 H-4	—	KITCHEN, WALLPAPER BORDER	NONE	WAR
1451 H-5	—	DINING ROOM LIVING ROOM SHEETROCK w/TAPE & PUTTY	PUTTY CHRYSCOTILE	WAR
1451 H-6	—	UPSTAIRS BATHROOM BEDROOM 1 SHEETROCK (PUTTY ONLY)	CHRYSCOTILE	WAR

Analyst(s) [Signature] Date 5-14-97

Analyst(s) _____ Date _____

Results Logged	Date
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**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1451 Ave H Date 2-10-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME _____ PHONE NO _____

Relinquished to J. J. Smith Date 2-10-98

Relinquished by James Lewis Date 2/10/98

Logged in by _____ Date _____

IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1451-H -87 JEL		PIPELINE TSE, FROM CRAWL SPACE CHALKY	AMOSITE: 3% CHRYSO TILE: 10%	J. J. S.
-8 JEL		SOIL FROM CRAWL SPACE WHITE CHALKY TSE	AMOSITE: 2% CHRYSO TILE: 10%	J. J. S.

Analyst(s) James J. Smith Date 2-10-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106

ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1451 AVE H Date: 2-11-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/26/99

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME _____ PHONE NO _____

Reinquished to J. J. Smith Date 2-12-98

Reinquished by James Lewis Date 2/12/98

Logged in by _____ Date _____

IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1451-11-9		1ST FLOOR WINDOW WINDOW GLAZING (A)	NONE	J.J.S.
1451-11-10		WINDOW GLAZING, PORCH (B)	NONE	J.J.S.

Analyst(s) James J. Smith Date 2-12-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
QUARTERS "NH-1" 1463 AVENUE H
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is approximately 2392 square feet and is built to the type 12 floor plan. Construction date is approximately 1919. Exterior of house is white stucco. Roofing material is asphalt shingles.

2. FINDINGS:

Ten homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the 10 homogeneous materials, **3 were confirmed to contain asbestos, 4 were assumed to contain asbestos**, and 3 were found to be asbestos free.

CONFIRMED ACM

1. PUTTY, mech. room, in open end of pipe, use unknown
2. PIPING TSI, crawl space
3. SOIL, crawl space, piping TSI is damaged and has contaminated soil

ASSUMED ACM

1. SHEETROCK JOINT COMPOUND, walls and ceiling throughout house, see General Note 1
2. BOILER, mechanical room, see General Note 3
3. SHEET VINYL FLOORING, kitchen two layers over 9x9 green tiles
4. CERAMIC TILE MORTAR, in all bathrooms

ASBESTOS FREE

1. WALLPAPER, kitchen
2. SHEET VINYL FLOORING, upstairs bathroom closet
3. WINDOW GLAZING, exterior of windows

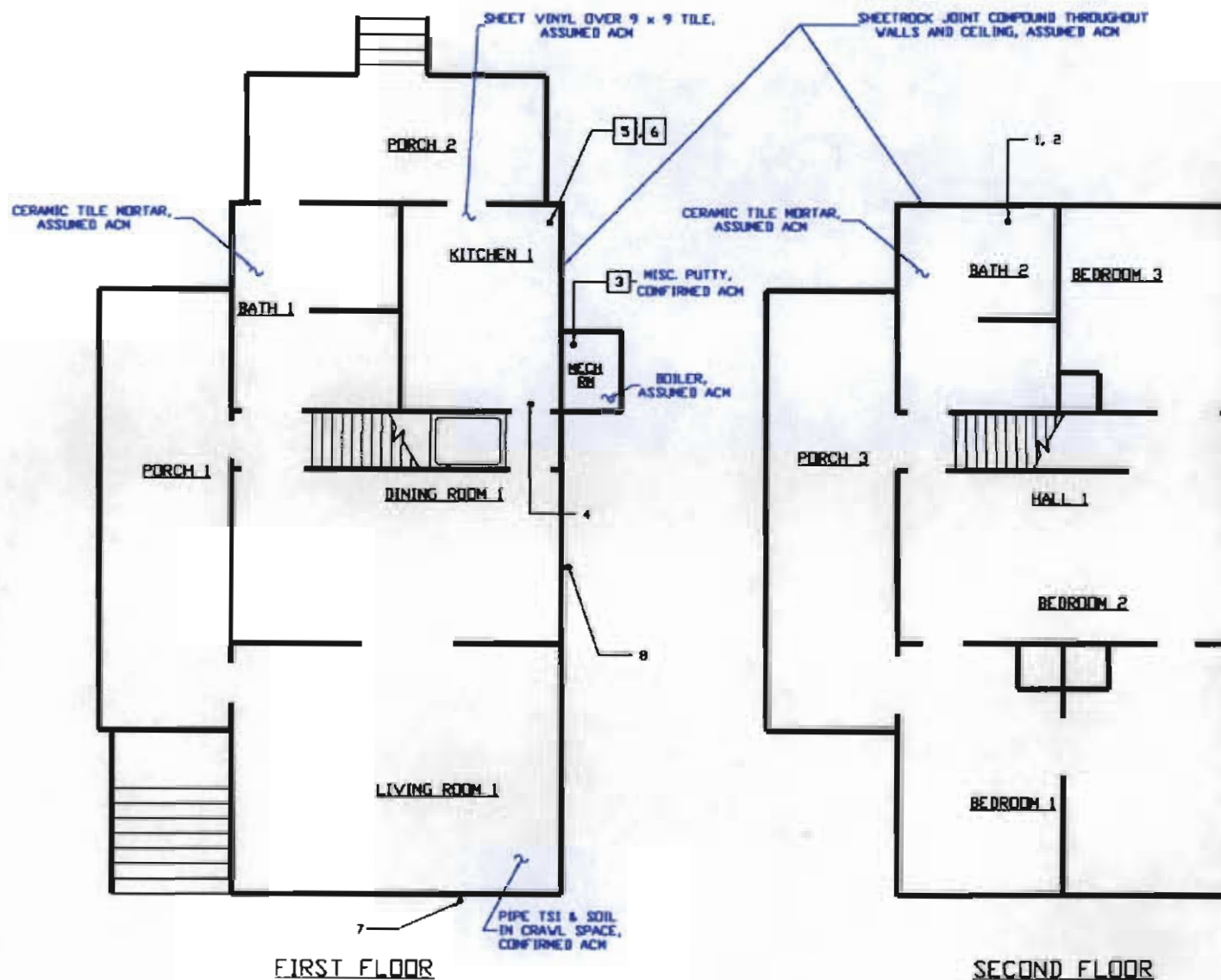
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1463 AVENUE H
QUARTERS NH-1**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	ASBESTOS CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	4600 Sq Ft	6	N	G	<1	O & M	gen. note # 1
1463-H-5	Y	PIPE TSI, crawl space	250 LF	1	Y	SD	>15	REMOVE REPAIR O & M	
ASSUMED	A	TSI, BOILER, mech. room	N/A	8	N	G	0	O & M	gen. note # 3
1463-H-3	Y	MISC. PUTTY, mech. room, in open ended pipe	1 Sq Ft	1	Y	D	75	REMOVE	
1463-H-6	Y	SOIL IN CRAWL SPACE	2624 Sq Ft	1	Y	D		REMOVE O & M	
ASSUMED	A	MISC CERAMIC TILE MORTAR, in all bathrooms	270 Sq Ft	6	N	G	0	O & M	
ASSUMED	A	MISC. SHEET VINYL FLOORING, kitchen	130 Sq Ft	6	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type II)
1463 AVE "H"
Charleston Naval Base
Charleston, SC

DWG DATE: 11 FEB 98

DWG NAME: ABS 1463

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1463 AVE H Date: 5/12/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Royce Charuia PHONE NO 743-6482 Ext. 230

Relinquished to James J. Smith Date 5-13-97

Relinquished by James Lawin Date 5/13/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1463 H-1	—	UPSTAIRS BATHROOM SHEET VINYL FLOORING	NONE	WR
1463 H-2	—	↓ ↓	NONE	WR
1463 H-3		BASEMENT/MECH RM PUTTY IN PIPE END	AMOSITE	WR

Analyst(s) WR Date 5-13-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

1463 ~~1463~~ "AVE" H"

Logged in by _____ Date _____

Sample No	OSHA No	Location/Description	Asbestos Type (or None)	Analyst Initials
1463 - H-4		FLOOR TILE KITCHEN green *TILE: not determined <u>UNDER VINYL FLOORING</u>	NONE	J.D.S.
- 5		Pipe TSE, CRAWL SPACE <u>CHALKY</u>	Amosite: 3% Chrysotile: 10%	J.D.S.
- 6		SOIL, CRAWL SPACE <u>WHITE CHALKY TSI</u>	Amosite: >1% Chrysotile: 3%	J.D.S.

* FLOOR TILE CAN NOT BE DETERMINED TO BE ASBESTOS-FREE
ON THE BASIS OF TOLM. Jimmy J. Smith 2-10-98

Analyst(s) James J. Smith Date 2-10-98

Analyst(s) _____ Date _____

Results Logged	Date
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**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

OTRS NH-1

From: (Project) Envir. Eng. & Remediation Detachment Building 1463 Ave H Date: 2-11-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR James Lewis DHEC LICENSE NO 21686 EXPIRATION DATE 9-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME _____ PHONE NO _____

Relinquished to James Lewis Date 2-12-98

Relinquished by James Lewis Date 2/12/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1463-H 7		WINDOW GLAZING (4) (FRONT WINDOW)	NONE	J.L.S.
1463-H 8		WINDOW GLAZING (1) (AROSE A.C. UNIT)	NONE	J.L.S.

Analyst(s) James L. Smith Date 2-12-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
1510 HOBSON AVENUE, QUARTERS "Z"
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 3783 square feet. Built in 1943. Exterior is transite siding. Roofing material is asphalt shingle. Quarters "Y" and Quarters "Z" make up one duplex. Many materials in both units are of the same homogeneous group.

2. FINDINGS:

Sixteen homogeneous materials were identified as suspect Asbestos Containing Material (ACM). Of the 16 materials, **2 were confirmed to contain asbestos, 5 were assumed to contain asbestos**, and 9 were found to be asbestos free.

CONFIRMED ACM

1. PIPING TSI, crawl space and attic (piping in attic may be partially covered by attic insulation)
2. HVAC DUCT TSI MASTIC (black mastic) in attic and crawl space

ASSUMED ACM

1. TRANSITE SIDING, house exterior
2. TRANSITE SIDING, within enclosed porch
3. TRANSITE, loose pieces of siding in crawl space
4. CERAMIC TILE MORTAR, bathroom # 3 and # 4
5. SOIL, in crawl space (based on findings at 1516 Hobson)

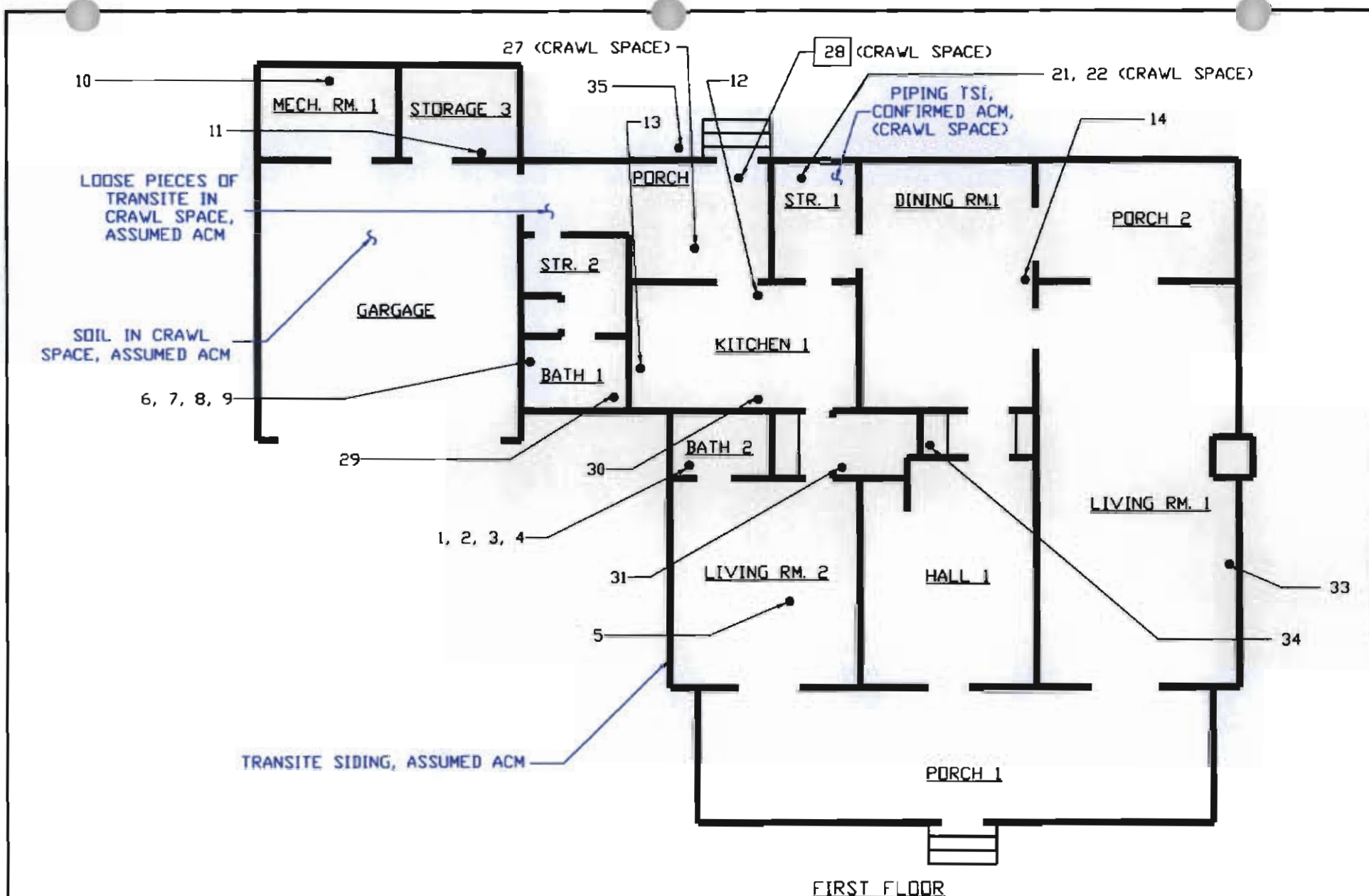
ASBESTOS FREE

1. WALLPAPER, in bathrooms
2. LOOSE SHEETROCK, loose pieces in crawl space
3. FIREPROOF SHEATHING, garage, (of same homogeneous group as sheathing in HD-23 houses, samples taken in HD-23 houses)
4. SHEET VINYL FLOORING, in kitchen and storage room 1
5. SHEET VINYL FLOORING, in bathroom 1
6. SHEET VINYL FLOORING, in bathroom 2
7. SHEET VINYL FLOORING, in bathroom 3 and 4
8. WALLBOARD, living room # 1, living room # 2, hall # 1, dining room, kitchen, below chair rail
9. WINDOW GLAZING

BUILDING SUMMARY TABLE**CHARLESTON NAVAL COMPLEX
HOUSING****QUARTERS "Z"
1510 HOBSON AVE**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1516-HOBSON-7 1516-HOBSON-9 1516-HOBSON-9	Y Y Y	TSI, PIPING, crawl space and attic	125 LF	1	YES	D	10	REMOVE	NOTE: there is also fiberglass piping tsi in the crawl space
1510-HOBSON-28	Y	HVAC DUCT TSI MASTIC, in attic and crawl space, (black mastic)	100 LF	7	NO	G	0	REMOVE or O & M	
ASSUMED	A	MISC. TRANSITE SIDING, house exterior	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	MISC. TRANSITE, loose pieces in crawl space	5 sq. ft.	8	NO	D	100	REMOVE	
ASSUMED	A	MISC. TRANSITE SIDING, within enclosed porch	160 sq. ft.	8	NO	G	0	O & M	
ASSUMED	A	MISC., CERAMIC TILE MORTAR, bathrooms 1, 2 and 3	410 sq. ft.	7	NO	G	<1	REPAIR O & M	< 1 sq. ft. damaged in bathroom # 4
ASSUMED	A	SOIL, in crawl space	2000 sq. ft.	1	YES	SD	100	REMOVE	Based on findings at 1516 Hobson

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



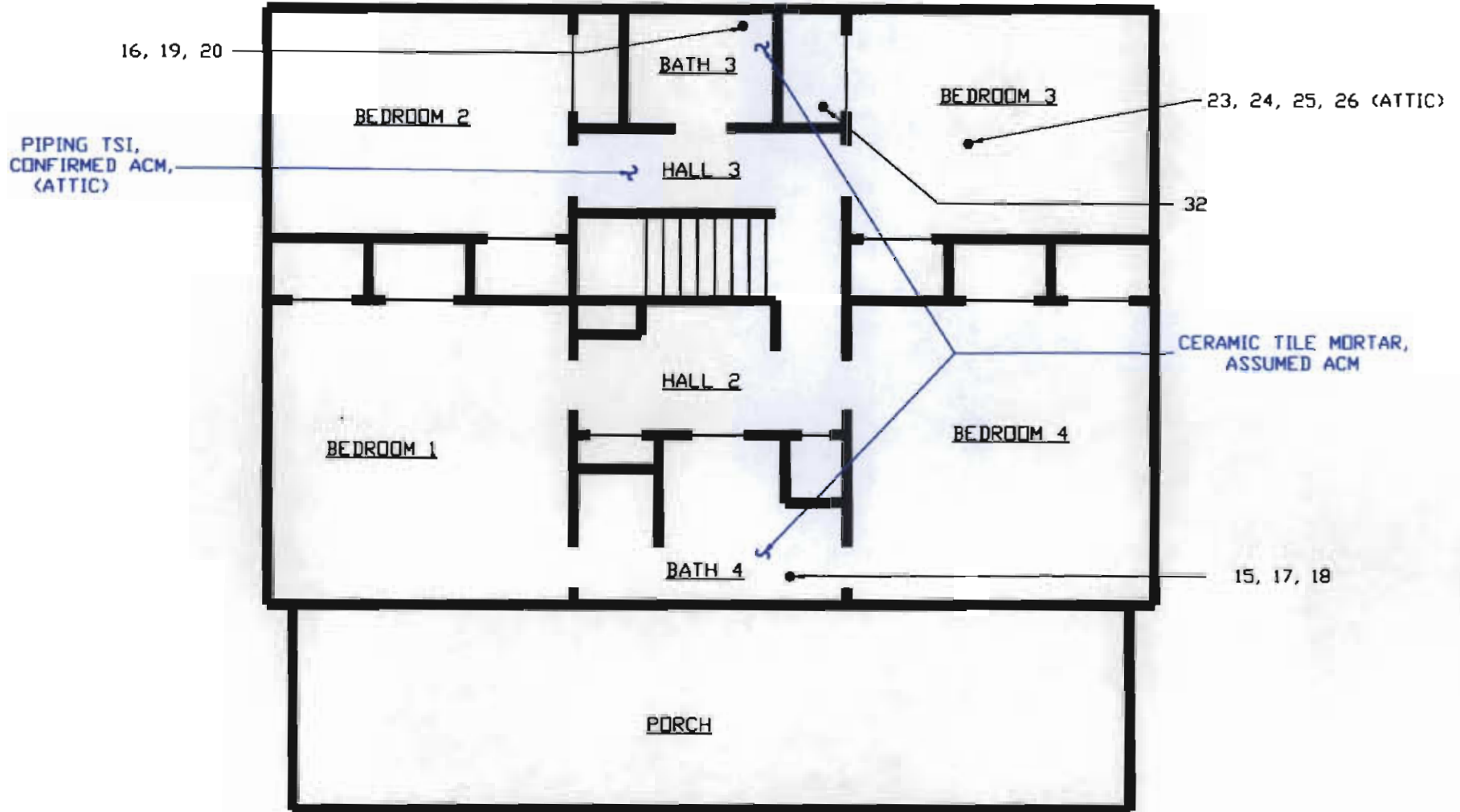
LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type 11)
1510 HOBSON - QUARTERS (Z)
Charleston Naval Base
Charleston, SC

DWG DATE: 12 FEB 98 DWG NAME: ASB 1510_1



SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
 1899 North Hobson Ave.
 North Charleston, SC
 29405-2106
 Ph. (803) 743-6777

Floor Plan (Type 11)
 1510 HOBSON - QUARTERS (Z)
 Charleston Naval Base
 Charleston, SC

DWG DATE: 12 FEB 98 | DWG NAME: ASB 1510_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1510 HOBSON Date: 4/29/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME JIM LEWIS PHONE NO 743-6482 Ext. 230-139
~~Reeve Charita~~

Relinquished to W. L. Camp Date 4-29-97

Relinquished by James E. Lewis Date 4/29/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1510 HOBSON</u> 1		<u>NO 2 BATH</u> WP-1 <u>BLACK BACKGROUND W/ WHITE FLOWERS</u>	<u>NONE</u>	<u>WLC</u>
2		↓ WP-1	<u>NONE</u>	<u>WLC</u>
3		<u>NO 2 BATH</u> VF-1 <u>WHITE SQUARE W/ DIAMOND IN CENTER</u>	<u>NONE</u>	<u>WLC</u>
4		↓ VF-1	<u>NONE</u>	<u>WLC</u>
5		<u>LIVING RM CEILING TILE</u>	<u>NONE</u>	<u>WLC</u>
6		<u>NO 1 BATH</u> (WP-2) <u>BLUE AND WHITE STRIPS</u>	<u>NONE</u>	<u>WLC</u>
7		↓ (WP-2)	<u>NONE</u>	<u>WLC</u>
8		<u>NO 1 BATH</u> (VF-2) <u>1" WHITE FLOOR COVERING</u>	<u>NONE</u>	<u>WLC</u>

Analyst(s) W. L. Camp Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1510 HOBSON Date: 4/29/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME JAMES LEWIS PHONE NO 743-6482 Ext. 230 139
~~Reece Charria~~

Relinquished to W. J. Lewis Date 4-29-97

Relinquished by James Lewis Date 4/29/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
PS10 HOBSON 9		NO. 1 BATH (VF-2) 1" WHITE FLOOR COVERING	NONE	WR
10		MECH ROOM TS1 BOILER EXHAUST	NONE	WR
11		STR RM OFF GARAGE USG FIRE CODE SHEATHING	NONE	WR
12		KITCHEN (VF-3) FLOOR COVERING 4 1/2 SQ W/ PURPLE FLOWER IN CORNER	NONE	WR
13		↓ (VF-3)	NONE	WR
14		DINING ROOM, WALL BOARD UNDER CHAIR RAIL	NONE	WR
15		BATH NO 4 (VF-4) WHITE W/ 1" DIAMOND IN CORNER	NONE	WR
16		BATH NO 3 VF-4 FLOOR COVER WHITE W/ 1" DIAMOND IN CORNER	NONE	WR

Analyst(s) W. J. Lewis Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1510 HOBSON Date: 4/29/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME JIM LEWIS PHONE NO. 743-6482 Ext. 230-139
Rovee Charita

Relinquished to W. Lamp Date 4-29-97

Relinquished by James Lewis Date 4/29/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1510 HOBSON</u> <u>17</u>		<u>BATH NO 4 WALLPAPER (WP-3)</u> <u>BLACK & WHITE STRIPS</u>	<u>NONE</u>	<u>WAL</u>
<u>18</u>		<u>(WP-4)</u>	<u>NONE</u>	<u>WAL</u>
<u>19</u>		<u>BATH NO 3</u> <u>WHITE w/GRAY STRIPS</u>	<u>NONE</u>	<u>WAL</u>
<u>20</u>			<u>NONE</u>	<u>WAL</u>

Analyst(s) W. Lamp Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION**

From: (Project) Envir. Eng. & Remediation Detachment Bldg./Vessel 1510 Hobson Date: 4/30/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME James Lewis PHONE NO. 743-2821 ext. 139

Relinquished to James I. Smith Date 4-30-97

Relinquished by James Lewis Date 4/30/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1510 Hobson-21		Crawl space duct insulation (TSI)	NONE	WAL
1510 Hobson-22		Crawl space duct insulation (TSI)	NONE	WAL

Analyst(s) WJL Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1510 Hobson Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO. 743-6482 Ext. 230
Revec Charbia

Relinquished to James A. Smith Date 5-01-97

Relinquished by Bruce Murray Date 5/1/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1510 HOBSON -23		ATTIC INSULATION GRAY/WHITE	NONE	WR
1510 HOBSON -24		DUCT TSI, BLACK MASTIC F CLOTH (ATTIC)	NONE	WR
1510 HOBSON -25		PAPER BACKING FROM INSULATION (VAPOR BARRIER)	NONE	WR
1510 HOBSON -26		LOOSE INSULATION MATERIAL (BROWNISH/P. ACK)	NONE	WR

Analyst(s) WR Date 5-2-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTERS "Z"

Building 1510 Hobson Ave

Date: 2/10/98

INSPECTOR Bruce Murray

DHEC LICENSE NO 21687

EXPIRATION DATE 8/20/09

INSPECTOR *James Lewis*

DHEC LICENSE NO 21686

EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS NAME Gust. Muenz

PHONE NO Exy. 234

Relinquished to

Date 2-12-98

Reinforced by

Date 2/11/98

Logged in by

Date _____

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1510 HOBSON -27		SHEET VINYL FLOORING, KITCHEN SOIL, CRAWL SPACE	NONE	J.S.S.
-28		HVAC DUCT MASTIC, (BLACK CAT) CRAWL SPACE	> 1% CHRYSTOLE	J.S.S.
-29		SHEET VINYL FLOORING, BATH 1	NONE	J.S.S.
-30		SHEET VINYL FLOORING, KITCHEN MULTI-LAYERED	NONE	J.S.S.
-31		SHEETROCK w/JOINT COMPOUND & TAPE, CLOSET CORNER WALL	NONE	J.S.S.
-32		SHEETROCK w/JOINT COMPOUND & TAPE CLOSET CORNER	NONE	J.S.S.
-33		SHEETROCK OR WALLBOARD PUTTY BELOW CHAIR RAIL, BEHIND OUTLET PLATE	NONE	J.S.S.
-34		SHEETROCK, w/JOINT COMPOUND & TAPE 1 ST FLOOR CLOSET UNDER STAIRS	NONE	J.S.S.

Analysis(s)

Date 2-12-98

Analyst(s)

Date _____

Results Logged

Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building Quarters "2" 1510 Hobson Ave. Date: 2/10/98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/98

INSPECTOR Tanner Lewis DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO Ext. 234

Relinquished to J. J. Smith Date 2-12-98

Relinquished by Bruce Murray Date 2/11/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
-35		WINDOW GLAZING WINDOW BY BACK DOOR	NONE	J.J.S.

Analyst(s) J. J. Smith Date 2-12-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
1516 HOBSON AVENUE, QUARTERS "Y"
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 3783 square feet. Built in 1943. Exterior is transite siding. Roofing material is asphalt shingle. Quarters "Y" and Quarters "Z" make up one duplex. Many materials in both units are of the same homogeneous group.

2. FINDINGS:

Thirteen homogeneous materials were identified as suspect Asbestos Containing Material (ACM). Of the 13 materials, **2 were confirmed to contain asbestos, 4 were assumed to contain asbestos**, and 7 were found to be asbestos free.

CONFIRMED ACM

1. PIPING TSI, crawl space and attic (piping in attic may be partially covered by attic insulation)
2. SOIL, in crawl space (loose TSI remnants)

ASSUMED ACM

1. TRANSITE SIDING, house exterior
2. TRANSITE SIDING, within enclosed porch
3. TRANSITE, loose pieces of siding in crawl space
4. CERAMIC TILE MORTAR, bathroom 2, 3, and 4

ASBESTOS FREE

1. WALLPAPER, bathroom # 1
2. LOOSE SHEETROCK, loose pieces in crawl space
3. SOIL, in crawl space
4. FIREPROOF SHEATHING, garage, (of same homogeneous group as sheathing in HD-23 houses, samples taken in those houses)
5. SHEET VINYL FLOORING, kitchen and storage room 1
6. WALLBOARD, living room # 1, living room # 2, hall # 1, dining room, kitchen, below chair rail
7. WINDOW GLAZING

BUILDING SUMMARY TABLE**CHARLESTON NAVAL COMPLEX
HOUSING****QUARTERS "Y"
1516 HOBSON AVE**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1516-HOBSON-7 1516-HOBSON-9 1516-HOBSON-9	Y Y Y	TSI, PIPING, crawl space and attic	125 LF	1	YES	D	10	REMOVE	NOTE: there is also fiberglass piping tsi in the crawl space
1516-HOBSON-22 1516-HOBSON-23	Y Y	SOIL, in crawl space, TSI remnants	2000 sq. ft.	1	YES	SD	100	REMOVE	
ASSUMED	A	MISC. TRANSITE SIDING, house exterior	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	MISC. TRANSITE, loose pieces in crawl space	5 sq. ft.	8	NO	D	100	REMOVE	
ASSUMED	A	MISC. TRANSITE SIDING, within enclosed porch	160 sq. ft.	8	NO	G	0	O & M	
ASSUMED	A	MISC., CERAMIC TILE MORTAR, bathrooms 1, 2 and 3	410 sq. ft.	7	NO	G	<1	REPAIR O & M	< 1 sq. ft. damaged in bathroom # 4

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

3, 4, 5, 6, 7 (CRAWL SPACE)

8 (ROOF)

STORAGE 3

MECH. RM. 1

21

LOOSE PIECES OF
TRANSITE IN
CRAWL SPACE,
ASSUMED ACM

16

STR. 1

14A

DINING RM.1

PORCH 2

24

PORCH

STR. 2

GARGAGE

22, 23 (CRAWL SPACE)

KITCHEN 1

BATH 1

CERAMIC TILE MORTAR,
ASSUMED ACM

BATH 2

LIVING RM. 1

HALL 1

LIVING RM. 2

1, 2

15

PIPING TSI,
CONFIRMED ACM
(CRAWL SPACE)

17

TRANSITE SIDING, ASSUMED ACM

PORCH 1

20

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type 11)
1516 HOBSON - QUARTERS (Y)
Charleston Naval Base
Charleston, SC

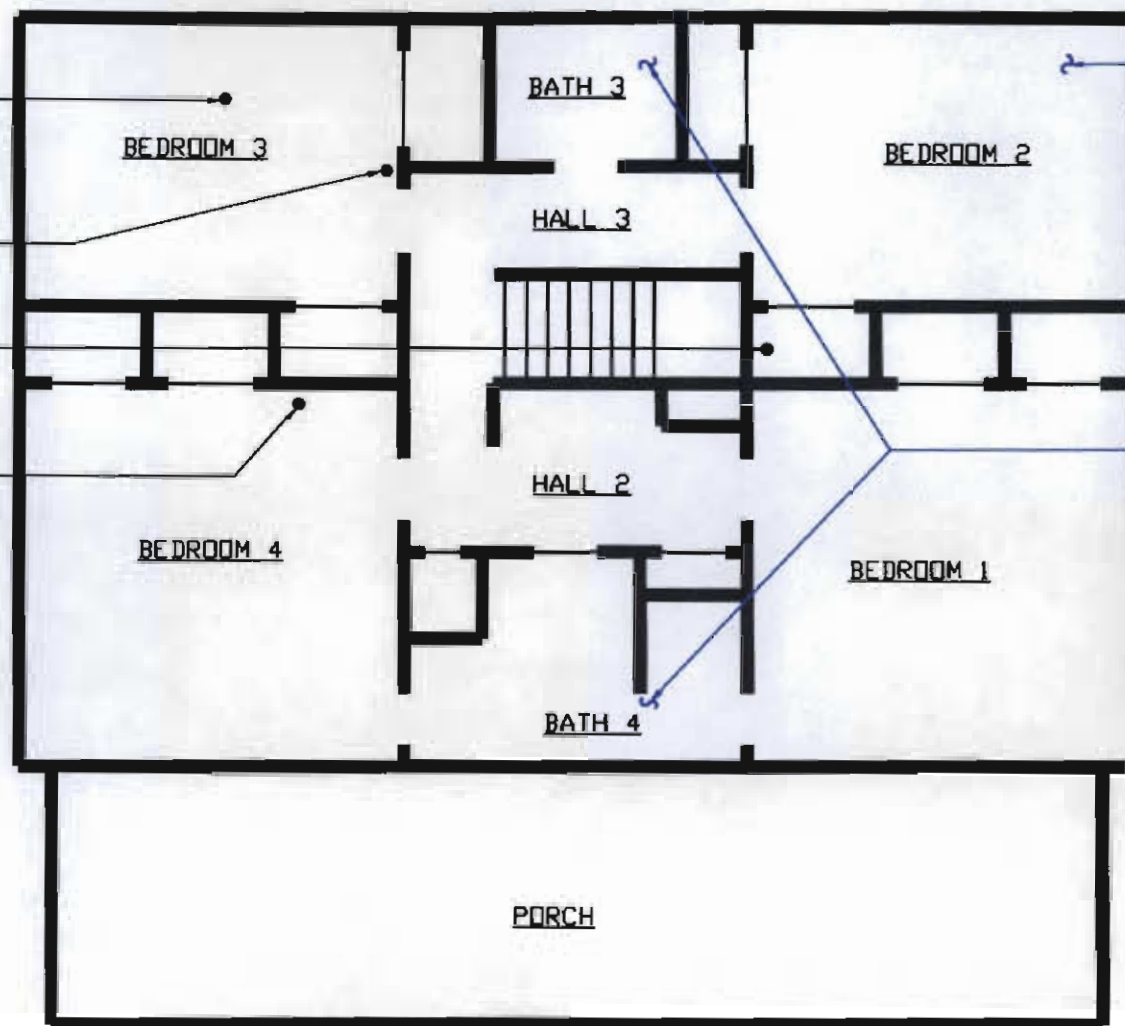
DWG DATE: 12 FEB 98 DWG NAME: ASB 1516_1

9, 10, 11, 12
(ATTIC)

19

18

13, 14 (ATTIC)



PIPING TSI,
CONFIRMED ACM,
(ATTIC)

CERAMIC TILE MORTAR,
ASSUMED ACM

SECOND FLOOR

LEGEND

• - SAMPLE LOCATION

XX - ASBESTOS DETECTED IN THIS SAMPLE

XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type 11)
1516 HOBSON - QUARTERS (Y)
Charleston Naval Base
Charleston, SC

DWG DATE: 12 FEB 98 | DWG NAME: ASB 1516_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION**

From: (Project) Envir. Eng. & Remediation Detachment Bldg./Vessel 1516 Hobson Date: 4-30-97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME James Lewis PHONE NO. 743-2821 ext 139

Relinquished to Jimmy J. Smith Date 4-30-97

Relinquished by James Lewis Date 4/30/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1516 Hobson-1		Bath no 1 Wallpaper (Gray/white) WP-5	NONE	WJR
1516 Hobson-2		Bath no 1 Wallpaper (Gray/white) WP-5	NONE	WJR
1516 Hobson-3		Crawl space, Black piping insulation (TSI)	NONE	WJR
1516 Hobson-4		Crawl space, sheetrock on ground	NONE	WJR
1516 Hobson-5		Crawl space, sheetrock on ground	NONE	WJR
1516 Hobson-6		Crawl space, Soil	NONE	WJR
1516 Hobson-7		Crawl space, Pipe insulation (TSI)	CHRYSO TILE	WJR
1516 Hobson-8		Roof Material (Green shingle)	NONE	WJR

Analyst(s) WJR Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1516 HOBSON Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURPHY DHEC LICENSE NO. 21587 EXPIRATION DATE 2/21/00

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURPHY PHONE NO. 743-6482 Ext. 230 234
Rovee Charpia

Relinquished to James A. Smith Date 5-01-97

Relinquished by Bruce Murphy Date 5/1/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1516 HOBSON -7	—	ATTIC (SPRUE) STEAM PIPE TS2 (WHITE CORRUGATED PAPER)	CHRYSOTILE	WAR
1516 HOBSON -10	—	ATTIC (SPRUE) STEAM PIPE TS1 (WHITE CORRUGATED PAPER)	CHRYSOTILE	WAR
1516 HOBSON -11	—	ATTIC (SPRUE) STEAM PIPE TS2 (WHITE MUD)	CHRYSOTILE	WAR
1516 HOBSON -12	—	ATTIC (SPRUE) STEAM PIPE TS1 (WHITE MUD)	CHRYSOTILE	WAR
1516 HOBSON -13	—	ATTIC INSULATION (GRAY/WHITE)	NONE CHRYSOTILE	WAR
1516 HOBSON -14	—	↓ ↓	NONE	WAR

Analyst(s) W. J. Amp Date 5-2-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTERS "Y"

From (Project) Envir. Eng. & Remediation Detachment Building 1516 HOBSON Date: 2/10/98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 3/20/98

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 3/20/98

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO EXT. 234

Relinquished to J. J. Smith Date 2-12-98

Relinquished by Ben Stutz Date 2/11/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1516 -HOBSON -14A		SHEET VINYL FLOORING, KITCHEN STORE ROOM 1 (POSSIBLE MULTI-LAYERS)	TRACE: CHRYSOCTILE ≤ 1%	J.J.S.
-15		SHEET VINYL FLOORING, KITCHEN (POSSIBLE MULTI-LAYERS)	NONE	J.J.S.
-16		SHEETROCK w/ JOINT COMPOUND + TAPE. BEHIND OUTLET PLATE, STORE ROOM 1	NONE	J.J.S.
-17		SHEETROCK w/ JOINT COMPOUND + TAPE, CLOSET WALL CORNER	NONE	J.J.S.
-18		SHEETROCK w/ JOINT COMPOUND + TAPE CLOSET WALL CORNER	NONE	J.J.S.
-19		SHEETROCK JOINT COMPOUND, OUTLET PLATE IN BEDROOM	NONE	J.J.S.
-20		WINDOW GLAZING WINDOW BY FRONT DOOR TO HALL 1	NONE	J.J.S.
-21		WINDOW GLAZING, WINDOW OF STORAGE NO 3	NONE	J.J.S.

Analyst(s) James J. Smith Date 2-12-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

QUARTERS "Y"

From: (Project) Envir. Eng. & Remediation Detachment Building 1516 Hobson Ave Date: 2-11-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR RAVEE MURRAY DHEC LICENSE NO. 21687 EXPIRATION DATE 8/20/98

INSPECTOR JAMES LEWIS DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS NAME RAVEE MURRAY PHONE NO. EXT 234

Relinquished to _____ Date _____

Relinquished by [Signature] Date 2/11/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
-22		SOIL, CRAWL SPACE <u>WHITE CHALKY</u>	30% CHRYSTOTILE	<u>J.L.A.</u>
-23		SOIL, CRAWL SPACE <u>WHITE CHALKY</u>	10% CHRYSTOTILE	<u>J.L.A.</u>
-24		SHEET VINYL FLOORING, STORAGE ROOM	NONE	<u>J.L.A.</u>

Analyst(s) [Signature] Date 2-12-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
QUARTERS "T" 1531 HOBSON AVENUE
CHARLESTON NAVAL COMPLEX
CHARLESTON, S. C.**

1. **DESCRIPTION:**

Unit is approximately 4112 square feet and built to the type 10 floor plan in 1941. Exterior is concrete on bottom floor and wood siding on top floor. Roofing material is green composite shingle with felt paper. House is in good condition.

2. **FINDINGS:**

Sixteen homogeneous materials were identified as suspect Asbestos Containing Material (ACM). Of the 16 homogeneous sampling areas, **1 was confirmed to contain asbestos, 5 were assumed to contain asbestos**, and 10 were found to be asbestos free.

CONFIRMED ACM

1. SHEET VINYL FLOORING mech. room # 1, hall #1, kitchen (brick design)

ASSUMED ACM

1. FURNACE, mech. room 2, see General Note 3
2. PIPE TSI, bathroom # 2, porch # 1, living room # 1, mech. room # 1, (labeled "contains asbestos")
3. SHEET VINYL FLOORING, bedroom and bathroom #1 (Samples taken in 1545 Hobson tested positive for asbestos)
4. SHEETROCK JOINT COMPOUND, Walls and ceiling throughout the house, see General Note 1.
5. TILE WALLBOARD (TRANSITE), kitchen and upstairs baths (Samples taken in type 9 houses tested positive for asbestos)

ASBESTOS FREE

1. WALLPAPER, four different styles of wallpaper were noted, all were asbestos free
2. TEXTURED CEILING, blown or rolled on, living room # 2, kitchen, dining room, hall
3. TEXTURE WALL COVERING, blown or rolled on, laundry room, dining room living room, porch #2
4. CEILING TILE, 12x12, bedroom # 1
5. WINDOW GLAZING
6. TSI MATERIAL, loose in attic
7. CAULK, kitchen

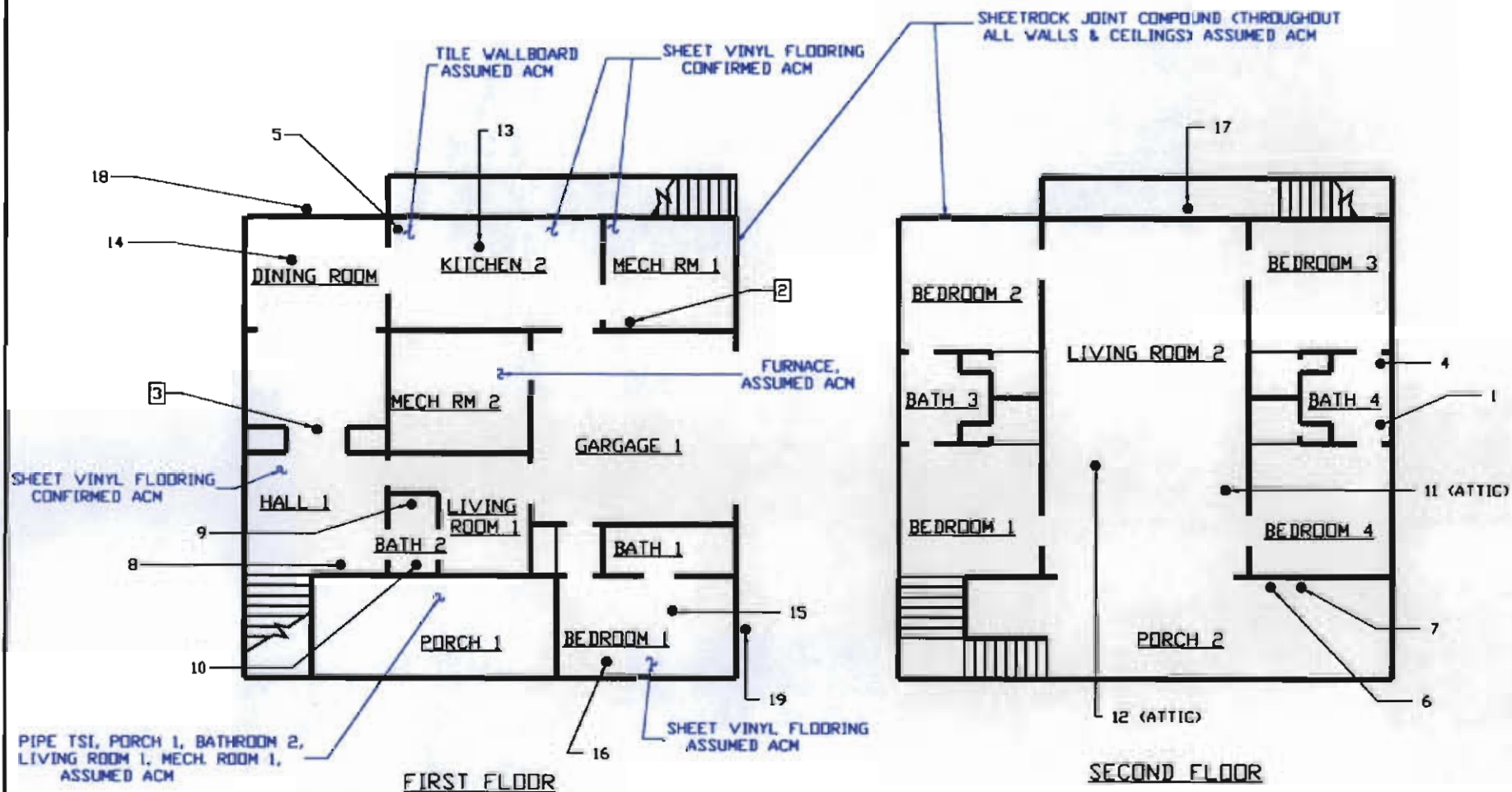
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1531 HOBSON AVE.
QUARTERS "T"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1531-HOBSON-2 1531-HOBSON-3	Y Y	MISC. SHEET VINYL FLOORING, mech. room # 1 (laundry), living room # 1, kitchen	400 SQ FT	6	NO	G	<1	O & M	
ASSUMED	A	PIPE TSI, bathroom # 2, porch # 1, living room # 1, mech. room # 1	160 LF	6	NO	G	<1	REPAIR O & M	SEE GEN. NOTE # 5
ASSUMED	A	FURNACE	*	*	*	*	*	O & M	SEE GEN. NOTE # 3
ASSUMED	A	WALLBOARD KITCHEN	165 SQ FT	8	NO	G	0	O & M	
ASSUMED	A	MISC SHEETROCK JOINT COMPOUND	8500 SQ FT	6	NO	G	<1	REPAIR O & M	
ASSUMED	A	MISC. SHEET VINYL FLOORING, bedroom # 1, bathroom # 1	170 SQ FT	6	NO	G	<1	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type 10)
1531 HOBSON - QUARTERS (T)
Charleston Naval Base
Charleston, SC

DWG DATE: 03 FEB 98 DWG NAME: ASB 1531

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1531 HOBSON Date 4/25/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Beverly Murray PHONE NO 743-6482 Ext 230 234
Royce Chasno

Relinquished to James A. Smith Date 4-28-97

Relinquished by James Lewis Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1531 HOBSON -1		BATHROOM (UPSTAIRS) (WP-1) WALL PAPER	NONE	WAL
1531 HOBSON -2		LAUNDRY ROOM (VF-1) REDISH BROWN LARGE BRICK	CHRYSOTILE	WAL
1531 HOBSON -3		HALL 1 JEL (VF-1) (DOWN ROOM)	CHRYSOTILE	WAL
1531 HOBSON -4		BATH ROOM UPSTAIR WP-1 WALLPAPER	NONE	WAL
-5		BATH ROOM KITCHEN WP-2 WALLPAPER	NONE	WAL
6		PORCH UPSTAIRS WP-2 WALLPAPER	NONE	WAL
7		PORCH UPSTAIRS WP-3 WALLPAPER	NONE	WAL
8		LIVING ROOM HALL 1 JEL WP-3 WALLPAPER	NONE	WAL

Analyst(s) W. J. Camp Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1531 HOBSON Date: 4-25-97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME JAMES LEWIS PHONE NO 743-6482 Ext 230-139
~~Royce Charbra~~

Relinquished to James J. Smith Date 4-28-97

Relinquished by JAMES LEWIS Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1531 HOBSON 9</u>		<u>DOWNSTAIRS HALF BATH (WP-4)</u>	<u>NONE</u>	<u>WAL</u>
<u>10</u>		↓	<u>NONE</u>	<u>WAL</u>
<u>11</u>		<u>LOOSE MATERIAL IN ATTIC</u> <u>BROWN IN COLOR</u>	<u>NONE</u>	<u>WAL</u>
<u>12</u>		<u>LOOSE MATERIAL IN ATTIC</u> <u>CORRUPTED PAPER</u>	<u>NONE</u>	<u>WAL</u>
<u>13</u>		<u>KITCHEN</u> <u>ROLLED-ON ROUGH CEILING</u>	<u>NONE</u>	<u>WAL</u>
<u>14</u>		<u>DINING ROOM</u> <u>ROLLED-ON ROUGH CEILING</u>	<u>NONE</u>	<u>WAL</u>
<u>15</u>		<u>DOWNSTAIR BEDROOM</u> <u>CEILING TILE</u>	<u>NONE</u>	<u>WAL</u>
<u>16</u>		↓	<u>NONE</u>	<u>WAL</u>

Analyst(s) WJamp Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

(Identification is determined by POLARIZED LIGHT MICROSCOPY and DISPERSION STAINING.)

ANALYST(S): James J. Smith DATE: 2/02/98

**ASBESTOS SURVEY
QUARTERS "S" 1545 HOBSON AVENUE
CHARLESTON NAVAL COMPLEX
CHARLESTON, S. C.**

1. **DESCRIPTION:**

Unit is approximately 4112 square feet and built to the TYPE 10 floor plan. Construction date is approximately 1941. Exterior is concrete on first floor and wood siding on second floor. Roofing material is asphalt shingle. House is in good condition.

2. **FINDINGS:**

Fifteen homogeneous materials were identified as suspect Asbestos Containing Material (ACM). Of the 15 homogeneous materials 1 **was confirmed to contain asbestos**, 4 **were assumed to contain asbestos**, and 10 were found to be asbestos free.

CONFIRMED ACM

1. SHEET VINYL FLOORING, laundry room (mech. room # 1), living room 1, kitchen, bathroom 1, bedroom 1

ASSUMED ACM

1. FURNACE, mech. room, see General Note 3
2. PIPE TSI, bathroom 2, porch 1, living room 1, mechanical room, kitchen, bedroom 1, bathroom 1, porch 1 (labeled "contains asbestos")
3. TILE WALLBOARD (TRANSITE), kitchen and upstairs baths (Samples taken in type 9 houses)
4. SHEETROCK JOINT COMPOUND, Walls and ceiling throughout the house, see General Note 1.

ASBESTOS FREE

1. WALLPAPER, five different styles of wallpaper were noted, all were asbestos free
2. TEXTURED CEILING, blown or rolled on, living room # 2, kitchen, dining room, hall
3. TEXTURED WALL COVERING, blown or rolled on, laundry room, dining room, living room, porch 2
4. CEILING TILE, BEDROOM # 1
5. CAULK, kitchen
6. WINDOW GLAZING

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1545 HOBSON AVE
QUARTERS "S"**

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1545 HOBSON-9 1545 HOBSON-10 1545 HOBSON-2 1545 HOBSON-3	Y Y N N	MISC. SHEET VINYL FLOORING, bedroom # 1, bathroom # 1, laundry room, kitchen, living room #1	560 Sq Ft	6	NO	G	0	O & M	
ASSUMED	A	MISC SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	8500 Sq Ft	6	NO	G	<1	REPAIR O & M	See general note # 1
ASSUMED	A	PIPE TSI, bathroom 2, porch 1, living room 1, mech. room 1, kitchen, bedroom 1 bathroom1, porch 1	160 LF	6	NO	G	<1	REPAIR O & M	See gen note # 5
ASSUMED	A	TSI, FURNACE	*	*	*	*	*	*	See gen. note # 3
ASSUMED	A	MISC. TILE WALLBOARD (TRANSITE), kitchen	180 Sq Ft	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 5 1845 HOBSON ^{QTR 5} Date: 4/28/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME ~~James Lewis~~ JAMES PHONE NO. 743-6482 Ext. 230

Relinquished to James J. Smith Date 4/28/97

Relinquished by James Lewis Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1545 HOBSON - 1		LAUNDRY RM WALL COVERING WHITE ROUGH SPRAYED-ON (WC-1)	NONE	WJR
- 2		LAUNDRY RM FLOOR COVER UNDER TOP COVER TOP COVER DAMAGE BOTTOM WHITE ROLLED OUT (V-F1)	NONE	WJR
- 3		DOWNSTAIR BED ROOM FLOOR COVERING (VF-1)	NONE	WJR
- 4		DINING RM WALL COVERING (WC-1)	NONE	WJR
- 5		DINING RM CEILING (CC-1)	NONE	WJR
- 6		DINING RM CEILING (CC-1)	NONE	WJR
- 7		KITCHEN CABINET CAULK (C-1)	NONE	WJR
- 8		KITCHEN CABINET CAULK (C-1)	NONE	WJR

Analyst(s) WJR Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

Environmental Detachment Charleston
1899 North Hobson Ave., North Charleston, South Carolina 29405-2106

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

BUILDING NO. 1545 HOBSON QTR'S

INSPECTOR: James Lewis DHEC LICENSE NO.: 21686 EXPIRATION DATE: 8/20/98

INSPECTOR: _____ DHEC LICENSE NO.: _____ EXPIRATION DATE: _____

Notify of Results: NAME: James Lewis PHONE NO. 743-2821 ext 139

(Identification is determined by POLARIZED LIGHT MICROSCOPY and DISPERSION STAINING.)

Sample I. D. #	DATE	TIME	DESCRIPTION	ASBESTOS TYPE (or None)	Analyst Initials
1545 HOBSON 9	1/30/98		VINYL FLOOR LAUNDRY 4TH 3rd & 4th LAYER Bottom	> 1% CHRYSTOTILE	J.L.S.
1545 HOBSON 10			KITCHEN 3rd LAYER WHICH is the bottom	> 1% CHRYSTOTILE	J.L.S.
1545 HOBSON 11			WINDOW GLAZING 1st FLOOR BEDROOM #1	NONE	J.L.S.
1545 HOBSON 12			1st FLOOR LIVING RM BY STAIRS	NONE	J.L.S.
1545 HOBSON 13	✓		2nd FLOOR	NONE	J.L.S.

RELINQUISHED BY: James Lewis DATE: 1/30/98
 RECEIVED BY: _____ DATE: _____
 ANALYST(S): James J. Smith DATE: 2/02/98

**ASBESTOS SURVEY
1600 HOBSON AVENUE, QUARTERS "G"
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

Unit is 6151 square feet. Built in 1903. Exterior is wood siding. Roof is metal roofing with an applied coating. Roofing samples were not obtained.

2. FINDINGS:

Sixteen homogeneous materials were identified as suspect Asbestos Containing Material (ACM). Of the sixteen, **seven were confirmed to contain asbestos, four were assumed to contain asbestos**, and five were found to be asbestos free.

CONFIRMED ACM

1. PIPE TSI, located in basement, and crawl space
2. PIPE TSI RESIDUE, located in crawl space, TSI removed but all residue *not* removed, some pipe has fiberglass insulation, material under fiberglass is also suspect
3. PUTTY, located in basement, between drain pipe and brick
NOTE: It was noted that work has been performed in the area of the basement (under the library area) after initial samples were taken. Drywall has been installed in the ceiling area of the basement, which conceals some of the ACM described above.
4. SHEET VINYL FLOORING, located in the utility room.
5. PLASTER, located on walls and ceilings throughout house.
6. FIBER BOARD, located in crawl space, 2' x 5' piece nailed to floor joist, use unknown
7. SOIL, loose pieces of TSI scattered throughout soil in crawl space

ASSUMED ACM

1. TILE WALLBOARD (transite), located in pantry
2. CEILING TILE, 12" x 12", located in dining room and living rooms 1 and 2
3. SHEET VINYL FLOORING, located in the foyer, stairwell #1, stairwell #2, kitchen, and the pantry area.
4. CERAMIC TILE MORTAR, in bathrooms 2, 3, 4, and 5

ASBESTOS FREE

1. STAIR TREAD ADHESIVE, located on stairs
2. WALLPAPER, various styles in the kitchen, bath 1, 2, 3, 4, and 5
3. OUTDOOR CARPET MASTIC, screen porch
4. SHEATHING, attic
5. WINDOW GLAZING

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1600 HOBSON AVENUE
QUARTERS "G"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	ASBESTOS CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1600 Hobson-1 1600 Hobson-2	YES YES	MISC. SHEET VINYL FLOOR, utility room	150 sq. ft.	6	N	G	0	O & M	
ASSUMED	A	MISC. SHEET VINYL FLOOR, kitchen, foyer, stairwell 1 & 2, & pantry	230 sq. ft.	6	N	G	0	O & M	
1600 Hobson-8 1600 Hobson-13 1600 Hobson-16	YES YES YES	SURFACING, PLASTER, walls and ceilings throughout house	14910 sq. ft.	6	N	G	0	O & M	
1600 Hobson-30 1600 Hobson-31	YES YES	PIPE TSI, basement	10 LF	1	Y	D	5	REMOVE	
1600 Hobson-38	YES	PIPE TSI, crawl space	25	1	Y	D	10	REMOVE	
1600 Hobson-40	YES	PIPE TSI Residue, crawl space	180 LF	1	Y	SD	100	REMOVE	
1600 Hobson-32	YES	MISC. PUTTY, basement, between pipe & brick	2 sq. ft.	6	Y	G	5	REMOVE	
1600 Hobson-36	YES	MISC. FIBERBOARD, crawl space	10 sq. ft.	8	N	G	0	REMOVE	2' x 5' piece nailed to floor joist, use unknown
1600 Hobson-37	YES	MISC. SOIL, loose TSI remnants in crawl space	1980 sq. ft.	1	Y	D	100	REMOVE	

continued on next page

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged,
G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

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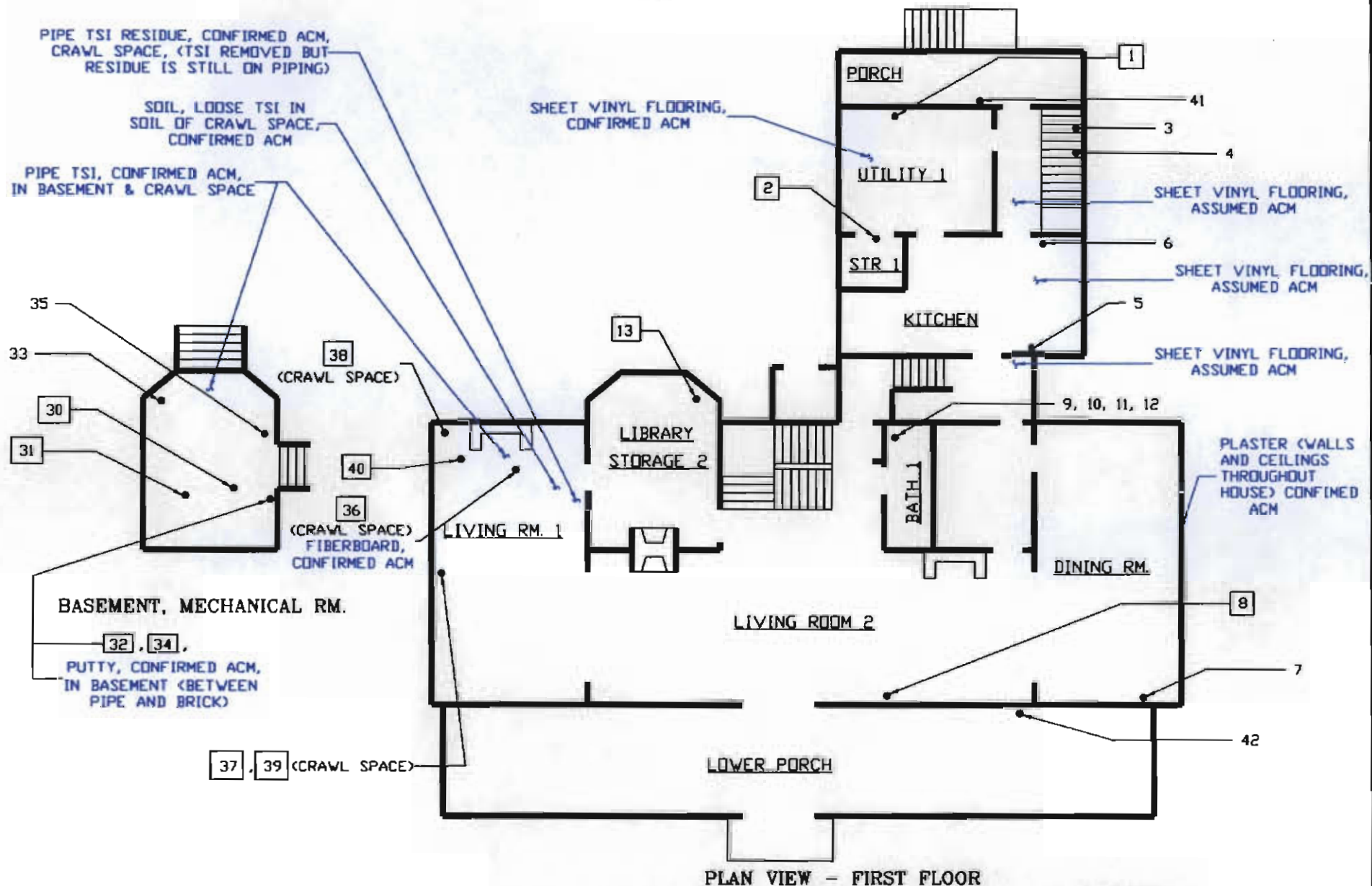
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1600 HOBSON AVENUE
QUARTERS "G"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	MISC. TILE WALLBOARD, (TRANSITE) pantry	30 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	MISC., CEILING TILE w/ MASTIC 12" x 12"	916 sq. ft.	8	N	G	0	O & M	Located in dining room and living rooms 1 and 2
ASSUMED	A	CERAMIC TILE MORTAR, in bathrooms 2, 3, 4, and 5	210 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



PLAN VIEW - FIRST FLOOR

LEGEND

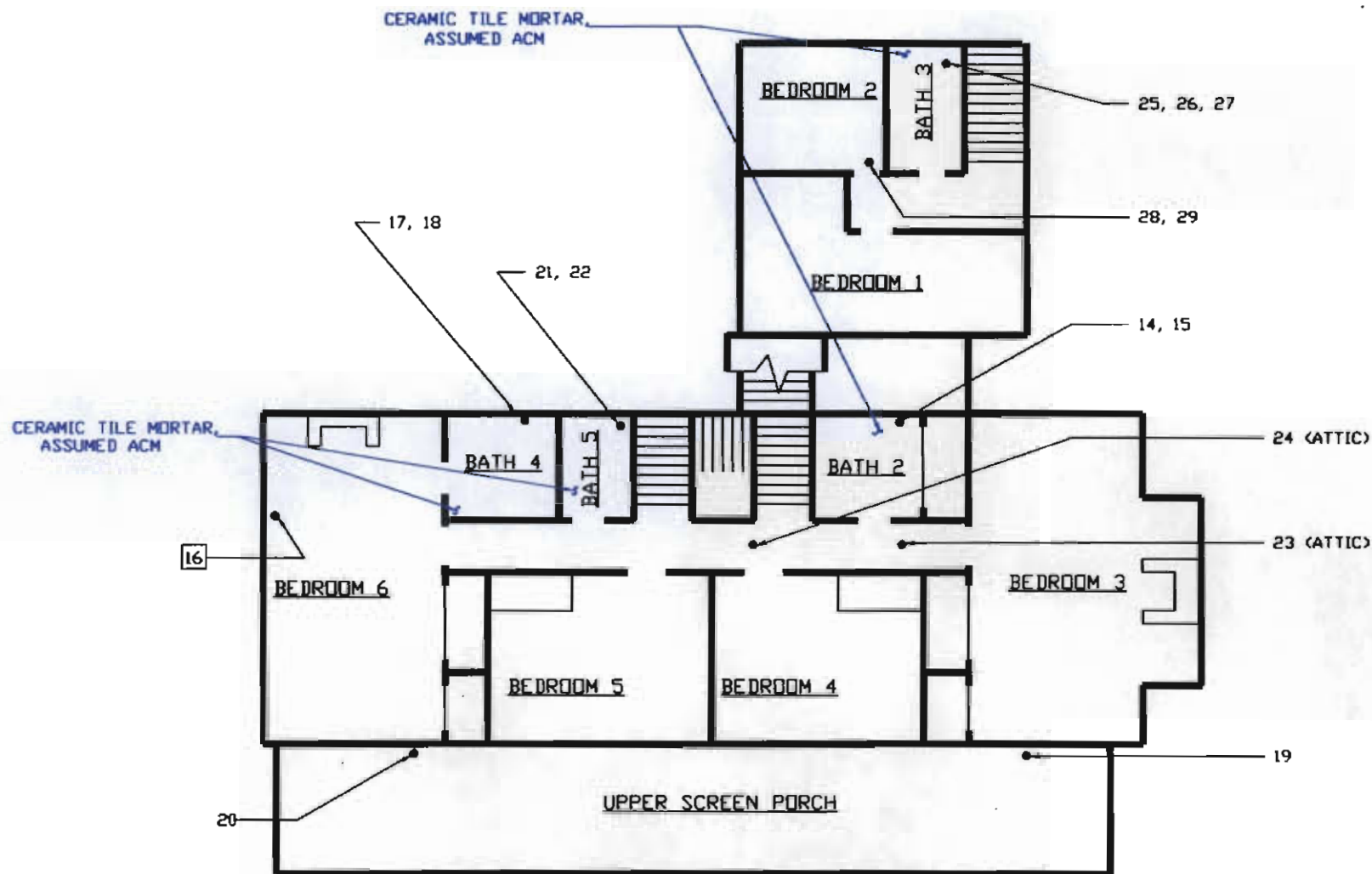
- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan
1600 HOBSON AVE. - QUARTERS "G"
Charleston Naval Base
Charleston, SC

DWG DATE: 18 FEB 98

DWG NAME: ASB 1600_1



PLAN VIEW - SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan
1600 HOBSON AVE. - QUARTERS "G"
Charleston Naval Base
Charleston, SC

DWG DATE: 18 FEB 98 DWG NAME: ASB 1600_2

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1600 HOBSON (Q125 G) Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 5/1/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURPHY PHONE NO. 743-6482 Ext. 230-284
Royce Charles

Relinquished to W. LAUX Date 5-5-97

Relinquished by James Lewis Date 5-5-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600 HOBSON -1	—	UTILITY Rm 1 VINYL FLOOR (VEI)	CHRYSTILE	WAR
1600 HOBSON -2	—	↓ ↓	CHRYSTILE	WAR
1600 HOBSON -3	—	STAIR TREADS ADHESIVE (BACK STAIRS)	NONE	WAR
1600 HOBSON -4	—	↓ ↓	NONE	WAR
1600 HOBSON -5	—	KITCHEN, WALL PAPER (WPI)	NONE	WAR
1600 HOBSON -6	—	↓ ↓	NONE	WAR
1600 HOBSON -7	—	DINING ROOM (DOOR TO PORCH) CAULK	NONE	WAR
1600 HOBSON -8	—	LIVING ROOM PLASTER WALL	CHRYSTILE	WAR

Analyst(s) W. Laux Date 5-5-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1600 Hobson (Gres. G) Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Royce Murphy DHEC LICENSE NO 21637 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Royce Chappia PHONE NO 743-6482 Ext 230

Relinquished to W. LAUX Date 5-5-97

Relinquished by James Linn Date 5/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600 Hobson -9		BATHROOM 1 WALLPAPER WP-2	NONE	WAL
1600 Hobson -10		↓ ↓	NONE	WAL
1600 Hobson -11		BATHROOM 1 WALLPAPER BORDER	NONE	WAL
1600 Hobson -12		↓ ↓	NONE	WAL
1600 Hobson -13		STORAGE ROOM #2 PLASTER (WALL)	CHRYSTOTILE	WAL
1600 Hobson -14		BATHROOM #2 WALLPAPER (WP3)	NONE	WAL
1600 Hobson -15		↓ ↓	NONE	WAL
1600 Hobson -16		BEDROOM #6 PLASTER (WALL)	CHRYSTOTILE	WAL

Analyst(s) W. Laux Date 5-5-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1600 Hobson Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Royce Chappia PHONE NO 743-6482 Ext. 230

Relinquished to W. LAUX Date 5-5-97

Relinquished by Glover Lewis Date 5/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600 Hobson -17	—	BATHROOM #4 WALL PAPER	NONE	WAC
1600 Hobson -18	—	↓ ↓	NONE	WAC
1600 Hobson -19	—	UPPER SCREEN PORCH OUTDOOR CARPET MASTIC	NONE	WAC
1600 Hobson -20	—	↓ ↓	NONE	WAC
1600 Hobson -21		BATHROOM #5 WALL PAPER (WP-5)	NONE	WAC
1600 Hobson -22		↓ ↓	NONE	WAC
1600 Hobson -23		ATTIC SHEATHING	NONE	WAC
1600 Hobson -24		↓ ↓	NONE	WAC

Analyst(s) _____ Date _____

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 1600 HOBSON Date: 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BOUCE MURRAY DHEC LICENSE NO. 21687 EXPIRATION DATE 5/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO. 21686 EXPIRATION DATE 8/24/97

NOTIFY OF RESULTS. NAME Rovce Chappia PHONE NO. 743-6482 Ext. 230

Relinquished to W. LANX Date 5-5-97

Relinquished by James Lewis Date 5/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600 HOBSON -25		BATHROOM #3 WALL PAPER (WP6)	NONE	WAC
1600 HOBSON -26		↓ ↓	NONE	WAC
1600 HOBSON -27		BATHROOM #3 VINYL FLOOR (VF2)	NONE	WAC
1600 HOBSON -28		ATTIC (OVER BEDROOMS 1+2) WHITE INSULATION	NONE	WAC
1600 HOBSON -29		ATTIC (OVER BEDROOMS 1+2) BLACK VAPOR BARRIER BARRIER	NONE	WAC
1600 HOBSON -30		BASEMENT 3/4 PIPE TSI	CHRYSOTILE AMOSITE	WAC
1600 HOBSON -31		↓ ↓	CHRYSOTILE AMOSITE	WAC
1600 HOBSON -32		BASEMENT MUD, BETWEEN DRAIN PIPE & BRICK	CHRYSOTILE AMOSITE	WAC

Analyst(s) [Signature] Date 5-5-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1600 Hobson Date 5/1/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS: NAME Rovce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to W. LAUX Date 5-5-97

Relinquished by James Lewis Date 5/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600 HOBSON -33		BASEMENT (OVERHEAD) SHEETROCK MUD	NONE	WAL
1600 HOBSON -34		BASEMENT TSI MUD FROM BETWEEN DRAIN PIPE, BRICK	CHRYCOTILE CROCIDOLITE	WAL
1600 HOBSON -35		BASEMENT (OVERHEAD) SHEETROCK MUD	NONE	WAL

Analyst(s) [Signature] Date 5-5-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1600 HOBSON Date: 5/6/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 234
Royce Charva

Relinquished to James A. Smith Date 5/6/97

Relinquished by Bruce Murray Date 5/6/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1600 HOBSON 36</u>		<u>FIBER BOARD FOUND IN CRAWL SPACE BY CHIMNEY UNDER LIVING RM 1</u>	<u>CHRYSTOTILE</u>	<u>WR</u>
<u>37</u>		<u>SOIL FROM CRAWL SPACE FROM WEST WALL BY LIVING RM 1</u>	<u>CHRYSTOTILE</u>	<u>WR</u>
<u>38</u>		<u>PIPE TSI CRAWL SPACE UNDER LIVING RM NO 1</u>	<u>CHRYSTOTILE</u>	<u>WR</u>
<u>39</u>		<u>FOUND ON GROUND BE BELOW LIVING NO 1</u>	<u>CHRYSTOTILE</u>	<u>WR</u>
<u>40</u>		<u>PIPE SCRAPING FROM (HOT WATER OR STEAM) BELOW LIVING RM 1</u>	<u>CHRYSTOTILE</u>	<u>WR</u>

Analyst(s) WR Date 5-8-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building Qtrs. G 1600 HOBSON AVE. Date: 2/17/98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO. EXT. 234

Relinquished to J. L. Smith Date 2-17-98

Relinquished by Bruce Murray Date 2/17/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1600-HOBSON-41		WINDOW GLAZING	NONE	JLS
1600-HOBSON-42		WINDOW GLAZING	NONE	JLS

Analyst(s) James J. Smith Date 2-17-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
TYPE "9" HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S. C.**

1. DESCRIPTION:

The eight units listed below are built to the type 9 floor plan style. The eight units are 4071 square feet and have five bedrooms (except 161 Everglades has 4 bedrooms). Each unit has stucco and wood exterior with shingled roof. Year of construction is 1937 and 1938. All units are similar in construction and have materials that are homogeneous to all type 9 units. See individual Building Summary Tables for information on each unit. *Quarters M, at 160 Everglades Ave (also a type 9 unit) was occupied and NOT INSPECTED.*

<u>Address</u>	<u>Building No.</u>
150 Turnbull	Quarters "L"
152 Turnbull	Quarters "K"
160 Everglades	Quarters "M"
161 Everglades	Quarters "N"
1485 Hobson	Quarters "R"
1505 Hobson	Quarters "Q"
1565 Hobson	Quarters "P"
1599 Hobson	Quarters "O"

2. FINDINGS:

Eighteen homogenous materials were identified as suspect Asbestos Containing Material (ACM). Of the eighteen homogeneous materials, **7 were confirmed to contain asbestos (including 3 different styles of sheet vinyl flooring), 4 were assumed to contain asbestos, and 7 are asbestos free.**

CONFIRMED ACM

1. HVAC DUCT TSI, Throughout first floor, and garage area.
2. SHEET VINYL FLOORING, three different styles of sheet vinyl flooring were noted, see building summary tables for locations in individual units.
3. TILE WALL BOARD, (transite board) kitchens, not present in 150 Turnbull and 152 Turnbull
4. PIPING TSI, half bath, bedroom #1, laundry, mechanical room and garage area of first floor.
5. SHEETROCK JOINT COMPOUND, Walls and ceiling throughout all houses, see General Note 1.

**ASBESTOS SURVEY
TYPE "9" HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S. C.**

ASSUMED ACM

1. FURNACE gaskets, seals, etc. (see general note # 3)
2. FLOOR TILES (12 x 12) in Bath 3 of 1485 Hobson only
3. CEILING TILES (12 x 12) in 1485 Hobson only
4. CERAMIC TILE MORTAR

ASBESTOS FREE

1. CAULKING, bathrooms and kitchen
2. WALLPAPER, various rooms
3. CARPET MASTIC
4. WALL COVERING (white rough finish)
5. WINDOW GLAZING
6. PLASTER, bathroom walls
7. BASEBOARD MASTIC

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

1. Many sheetrock walls and ceilings have joint compound applied to seams and nail holes. In some cases this joint compound tested positive for asbestos. The walls and ceilings that have asbestos containing joint compound applied must be considered as ACM in their entirety, even though the sheetrock itself may be non-asbestos.
NOTE: Flaking paint on these surfaces could expose asbestos.
2. Cloth-like wiring insulation in all houses is a suspected asbestos containing material. Sampling of this insulation should be performed prior to any disturbance.
3. Many houses contain oil-burning furnaces and boilers, which may contain suspected ACM such as gaskets, seals, and asbestos board, etc. The condition and quantity of these materials could not be determined without disassembly. Sampling of these materials should be performed prior to any disturbance.
4. Convenience samples were taken of various roofing materials. All samples were negative. However sufficient samples could not be obtained of all roofing material to rule out roofing material as non-asbestos.
5. The assessments of piping TSI and HVAC duct TSI are for readily accessible portions of the piping and ductwork only. It should be noted that much of these systems could exist in wall interiors and between floors and ceilings of adjoining floors. This report does not assess the amount and condition of TSI in these inaccessible areas but they should be considered prior to any renovation or demolition.
6. Most of the sheet vinyl flooring found in these houses consists of multiple layers of flooring. Most of the flooring had at least one layer that was ACM. Also some sheet vinyl flooring was placed over floor tiles. In most cases these floor tiles are either assumed or confirmed ACM.
7. Items listed in the Building Summaries, as "CONFIRMED ACM" were proven to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
8. Items listed in the Building Summaries as "ASSUMED ACM" are assumed to be greater than one percent asbestos. Assumptions are based on past experience with similar materials.
9. Items listed in the Building Summaries as "ASBESTOS FREE" are suspected asbestos containing materials that were found not to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
10. Building Summary Tables only list CONFIRMED ACM and ASSUMED ACM.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

11. Definitions Of AHERA CATEGORIES (1 through 8) as used in building summary tables:

1. Damaged or Significantly Damaged friable thermal system insulation.
2. Damaged friable surfacing ACM.
3. Significantly Damaged friable surfacing ACM.
4. Damaged or Significantly Damaged friable miscellaneous ACM.
5. ACM with potential for significant damage.
6. ACM with potential for damage.
7. Any remaining friable ACM or friable suspected ACM.
8. Non-friable ACM.

12. Explanation of "CONDITION" as used in BUILDING SUMMARY TABLES:

SURFACING and MISCELLANEOUS MATERIAL

- **SIGNIFICANTLY DAMAGED** (material with one or more of the following characteristics)
 - (a) The surface is crumbling or blistered over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
 - (b) One tenth (one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
 - (c) Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- **DAMAGED** (material with the following characteristics)
 - (a) The surface is crumbling, blistered, water-stained, gouged, marred or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- **GOOD CONDITION**
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

THERMAL SYSTEM INSULATION

- SIGNIFICANTLY DAMAGED (material with one or more of the following characteristics)
 - (a) Missing jackets on at least one tenth of the piping or equipment.
 - (b) Crushed or heavily gouged or punctured insulation on at least one tenth of pipe, duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).
 - DAMAGED (material with one or more of the following characteristics)
 - (a) A few water stains on less than one tenth of insulation with missing jackets.
 - (b) Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).
 - GOOD CONDITION
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.
-

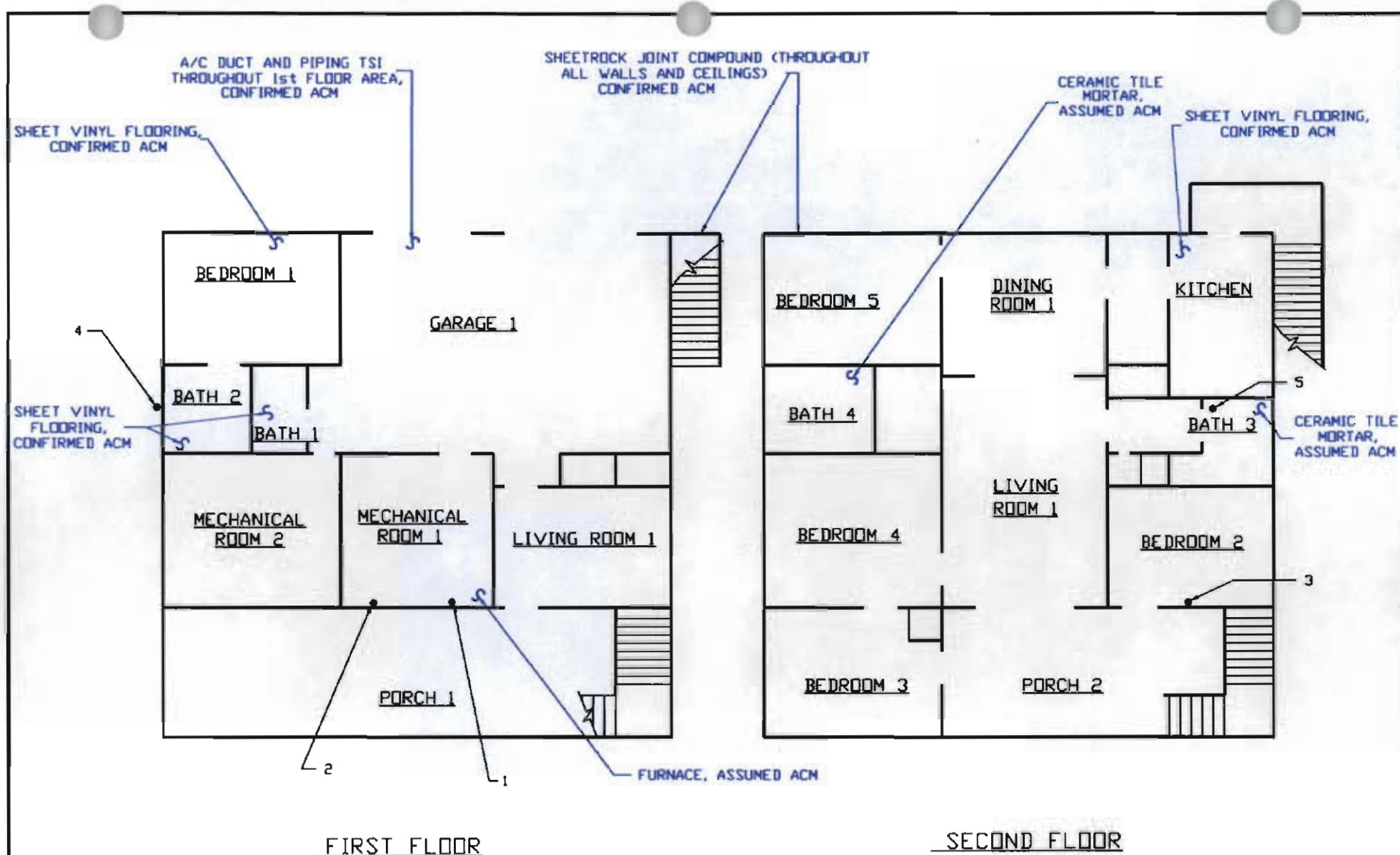
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**150 TURNBULL
QUARTERS "L"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505-HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq Ft.	1	YES	D	10%	REPAIR, O & M	
1599-HOBSON-2 1599-HOBSON-3	Y Y	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1, bath #2	509 Sq Ft	6	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 ST floor	140 LF	6	NO	G	< 1	REPAIR, O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TURNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y N N N N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	8200 Sq. Ft. (Gen. Note 1)	6	YES, only where damaged	G	<1	O & M	Approx. 6 sq. ft. damaged in mech. room
NONE	A	TSI, FURNACE	*	*	*	*	*	*	* Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, all bathrooms	450 Sq Ft	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- [XX] - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type-9)
150 TURNBULL - QUARTERS (L)
Charleston Naval Base
Charleston, SC

DWG DATE: 30 JAN 98 DWG NAME: ASB 150

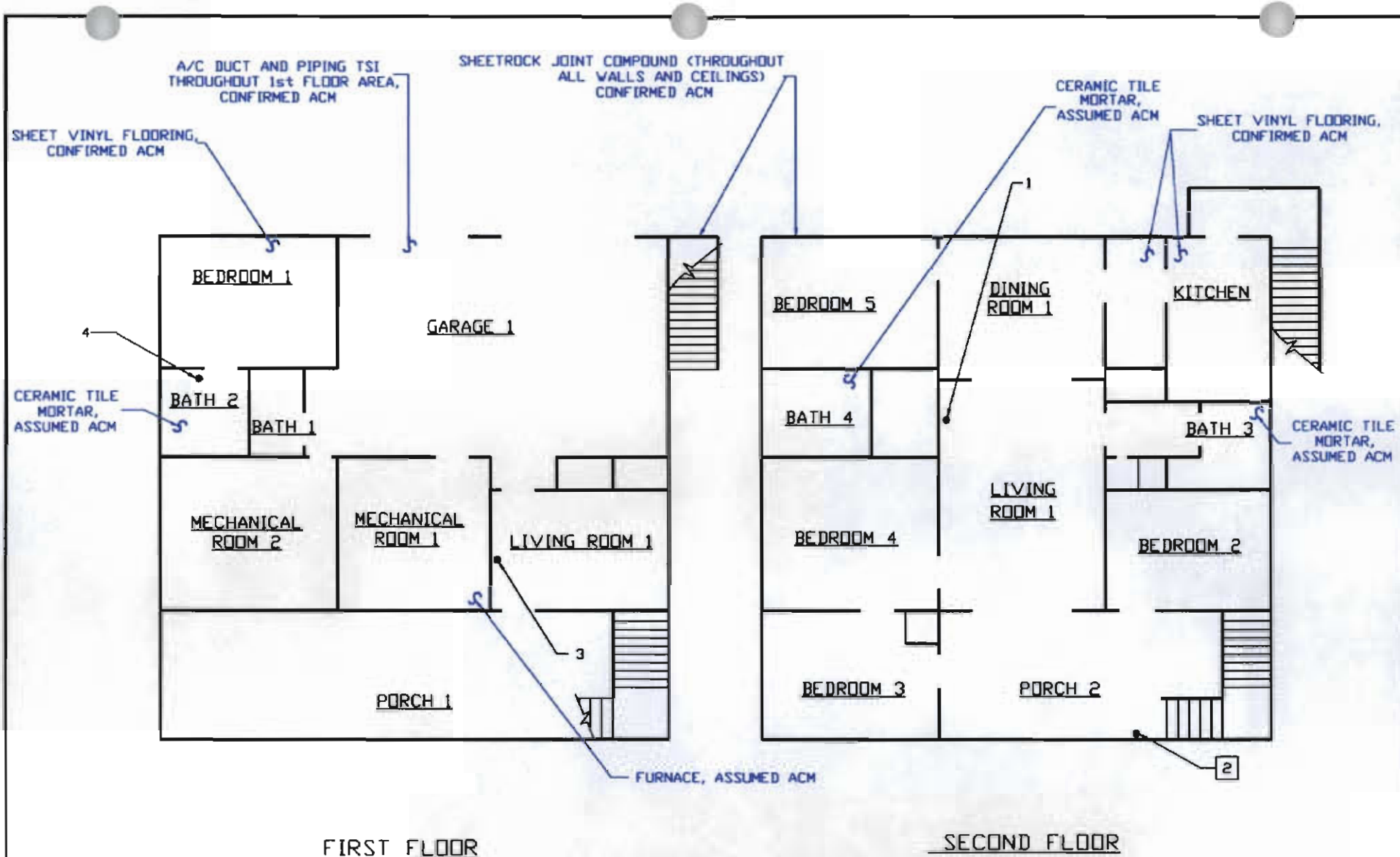
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**152 TURNBULL
QUARTERS "K"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505-HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq Ft.	1	YES	D	10%	REPAIR , O & M	
1599-HOBSON-2 1599-HOBSON-3	Y Y	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1, bath #2	509 Sq Ft	6	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 st floor	140 LF	6	NO	G	<1	REPAIR, O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y* N N N N N N	MISC. SHEETROCK JOINT COMPOUND	8200 Sq. Ft. (Gen. Note # 1)	6	NO	G	0	O & M	* Sample 152- TURNBULL-2 contained sheetrock joint compound / putty that tested positive for asbestos. This sample was obtained for wall covering, the wall covering was negative.
NONE	A	TSI, FURNACE	*	*	*	*	*	O & M	Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, all bathrooms	450 Sq Ft	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



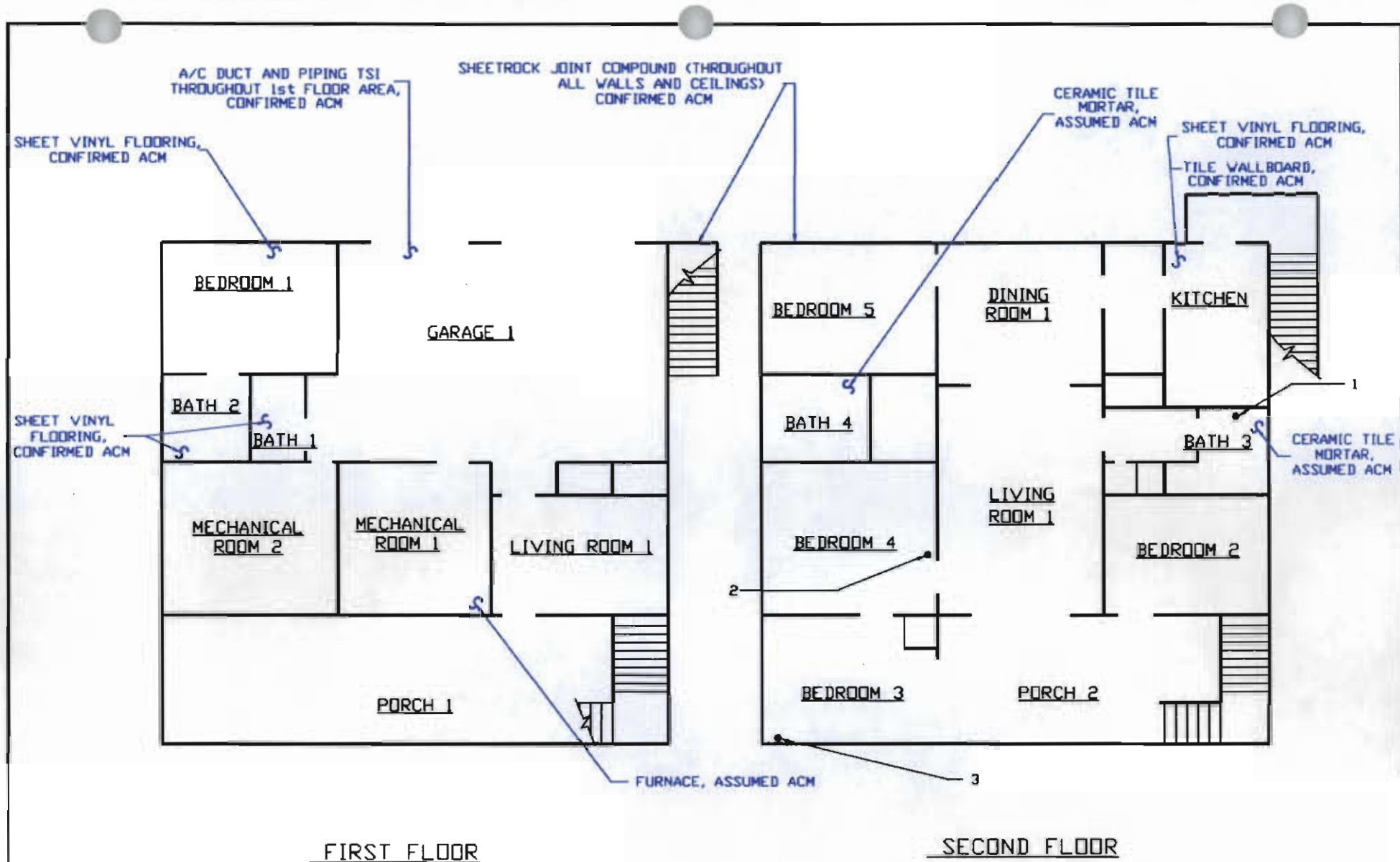
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**161 EVERGLADES
QUARTERS "N"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505-HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq. Ft.	1	YES	D	10%	REPAIR, O & M	
1599-HOBSON-2 1599-HOBSON-3	Y Y	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1	509 Sq. Ft.	6	NO	G	0	O & M	
1505-HOBSON-4 1505HOBSON-5	Y Y	SHEET VINYL FLOORING, Bath 2	30 Sq. Ft.	6	NO	G	0	O & M	
1505-HOBSON-3 1565HOBSON-3	Y Y	MISC, TILE WALLBOARD kitchen	150 Sq. Ft.	8	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 ST floor	140 LF	6	NO	G	< 1	REPAIR, O & M	Gen. Note # 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y* N N N N N N	MISC. SHEETROCK JOINT COMPOUND	8200 Sq. Ft. (Gen. Note 1)	6	NO	G	0	O & M	* Sample 152- TURNBULL-2 contained sheetrock joint compound / putty that tested positive for asbestos. This sample was obtained for wall covering, the wall covering was negative.
NONE	A	TSI, FURNACE	*	*	*	*	*	*	* See Gen. Note # 3
NONE	A	MISC, CERAMIC TILE MORTAR, all bathrooms	450 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- [XX] - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan (Type-9)
161 EVERGLADES - QUARTERS (N)
Charleston Naval Base
Charleston, SC

DWG DATE: 30 JAN 98

DWG NAME: ASB 161

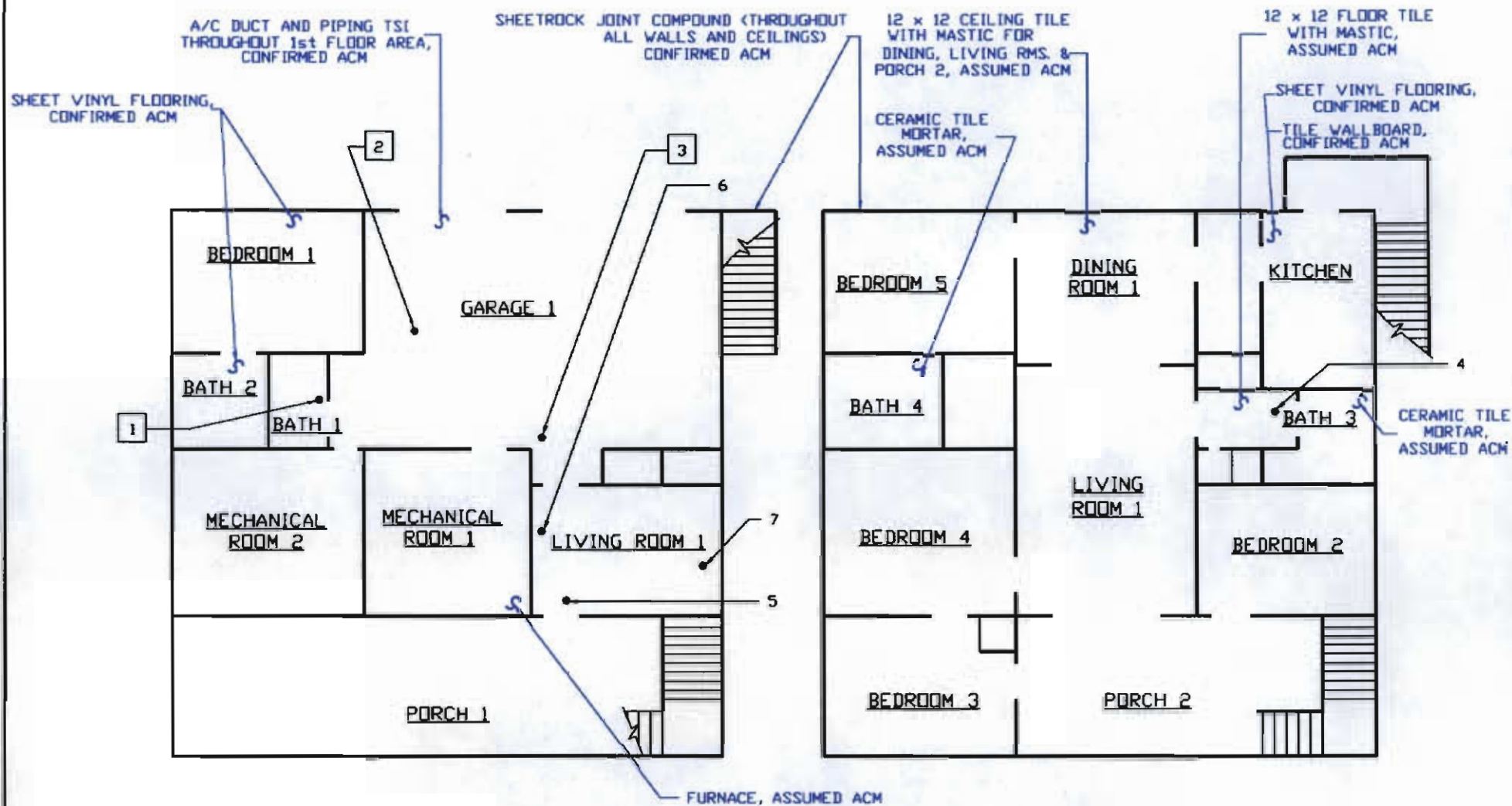
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1485 HOBSON
QUARTERS "R"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505-HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq. Ft..	1	YES	D	10%	REPAIR , O & M	
NONE	A	MISC., FLOOR TILE, 12" x 12" bathroom # 3	90 Sq. Ft.	6	NO	G	0	O & M	
1599-HOBSON-2 1599-HOBSON-3	Y Y	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1, bath #2	509 Sq. Ft.	6	NO	G	0	O & M	
NONE	A	MISC., CEILING TILE, 12" x 12"	890 Sq. Ft.	7	YES	G	0	O & M	
1505-HOBSON-3 1565HOBSON-3	Y Y	MISC, TILE WALLBOARD kitchen	150 Sq. Ft.	8	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 ST floor	140 LF	6	NO	G	<1	REPAIR, O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y* N N N N N N	MISC. SHEETROCK JOINT COMPOUND	8200 sq. ft. (Gen. Note 1)	6	NO	G	0	O & M	* Sample 152- TURNBULL-2 contained sheetrock joint compound / putty that tested positive for asbestos. This sample was obtained for wall covering, the wall covering was negative.
NONE	A	TSI, FURNACE	*	*	*	*	*	O & M	Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, all bathrooms	450 SQ FT	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged , O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



FIRST FLOOR

SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type-9)
1485 HOBSON - QUARTERS (R)
Charleston Naval Base
Charleston, SC

DWG DATE: 30 JAN 98 DWG NAME: ASB 1485

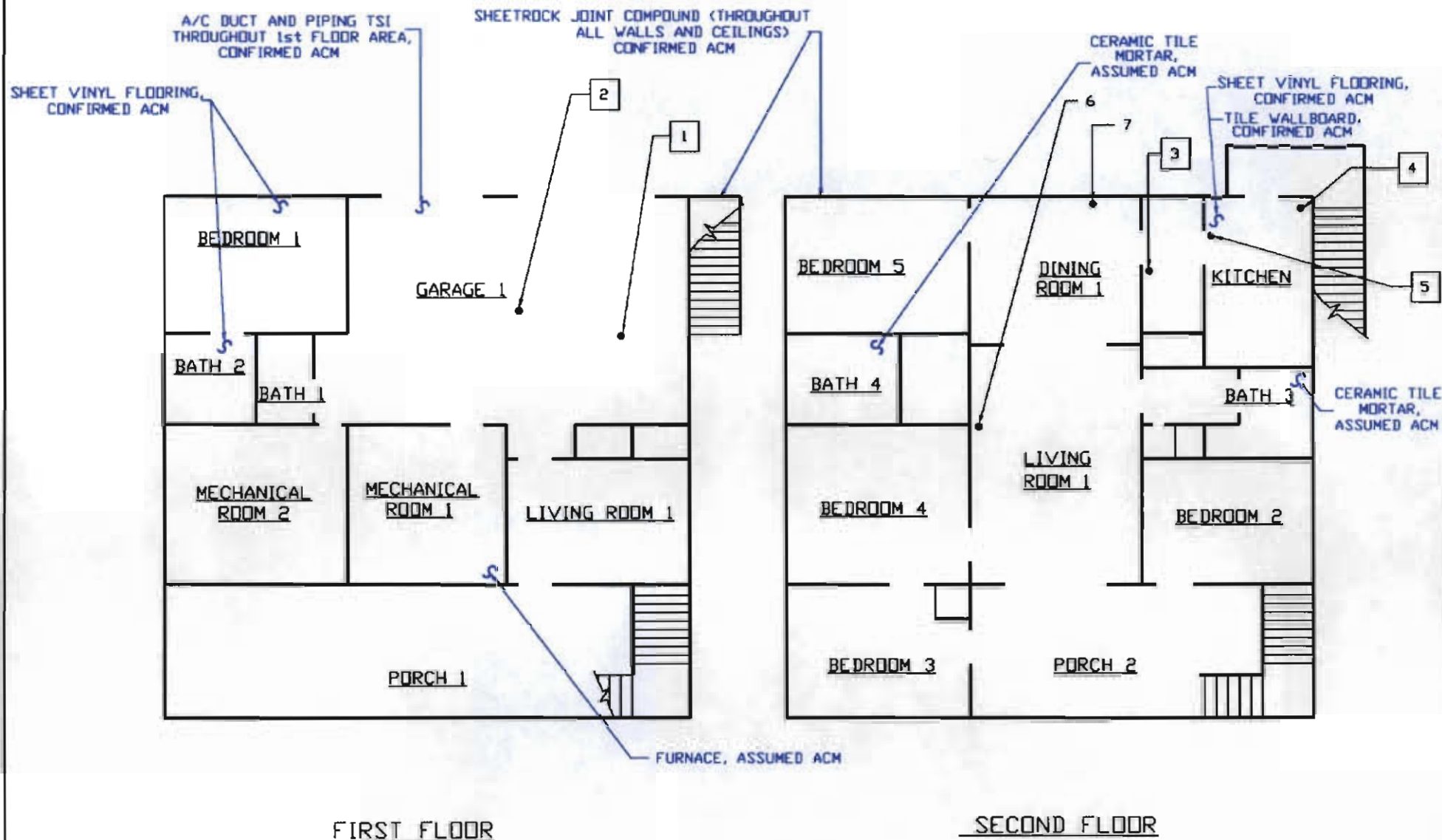
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1505 HOBSON
QUARTERS "Q"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505 -HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq. Ft.	1	YES	D	10%	REPAIR , O & M	
1505-HOBSON-4 1505-HOBSON-5	Y Y	SHEET VINYL FLOORING, kitchen,	234 Sq. Ft.	6	NO	G	0	O & M	
1599-HOBSON-9 1599-HOBSON-10	Y Y	SHEET VINYL FLOORING, bedroom 1, bath #2	275 Sq. Ft.	6	NO	G	0	O & M	
1505-HOBSON-3 1565HOBSON-3	Y Y	MISC, TILE WALLBOARD kitchen	150 Sq. Ft.	8	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 ST floor	140 LF	6	NO	G	<1	REPAIR, O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y* N N N N N N	MISC. SHEETROCK JOINT COMPOUND	8200 sq. ft. (Gen. Note 1)	6	NO	G	0	O & M	* Sample 152- TURNBULL-2 contained sheetrock joint compound / putty that tested positive for asbestos. This sample was obtained for wall covering, the wall covering was negative.
NONE	A	TSI, FURNACE	*	*	*	*	*	O & M	Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, baths 3 & 4	450 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type-9)
1505 HOBSON - QUARTERS (Q)
Charleston Naval Base
Charleston, SC

DWG DATE: 30 JAN 98 DWG NAME: ASB 1505

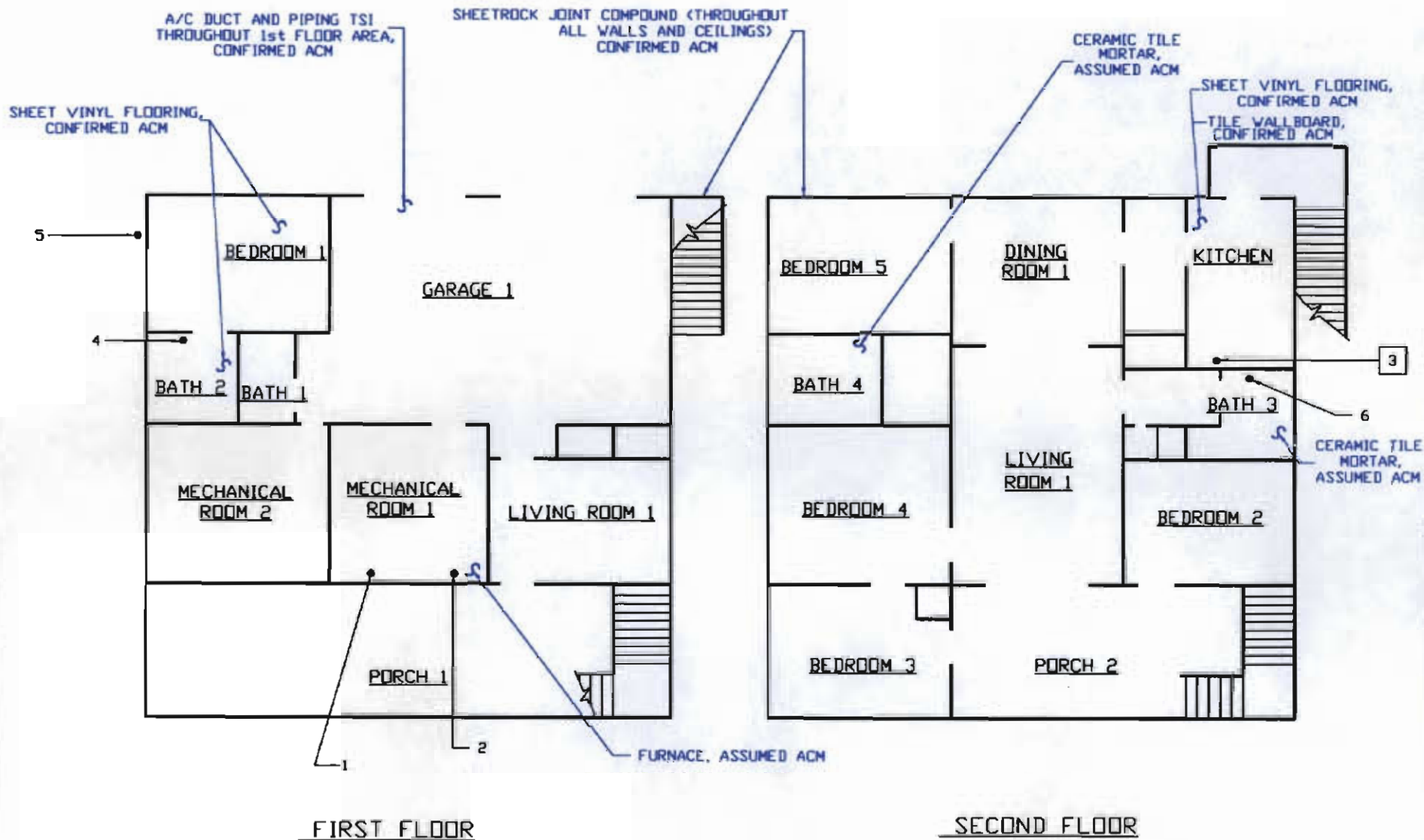
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1565 HOBSON
QUARTERS "P"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505 -HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq. Ft.	1	YES	D	10%	REPAIR , O & M	
1599 -HOBSON-2 1599-HOBSON-3	Y Y	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1, bath #2	509 Sq. Ft.	6	NO	G	0	O & M	
1505-HOBSON-3 1565HOBSON-3	Y Y	MISC, TILE WALLBOARD kitchen	150 Sq. Ft.	8	NO	G	0		
1485-HOBSON-1	Y	TSI, PIPING 1 ST floor	140 LF	6	NO	G	0	O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y* N N N N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	8200 Sq. Ft., (Gen. Note 1)	6	YES, only where damaged	G	< 1	O & M	Approx. 4 Sq. Ft., damaged in mech. room
NONE	A	TSI, FURNACE	*	*	*	*	*	O & M	Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, baths 3 & 4	450 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- XX - ASBESTOS DETECTED IN THIS SAMPLE
- XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-9)
1565 HOBSON - QUARTERS (P)
Charleston Naval Base
Charleston, SC

DWG DATE:XXXXXXXX

DWG NAME: ASB 1565

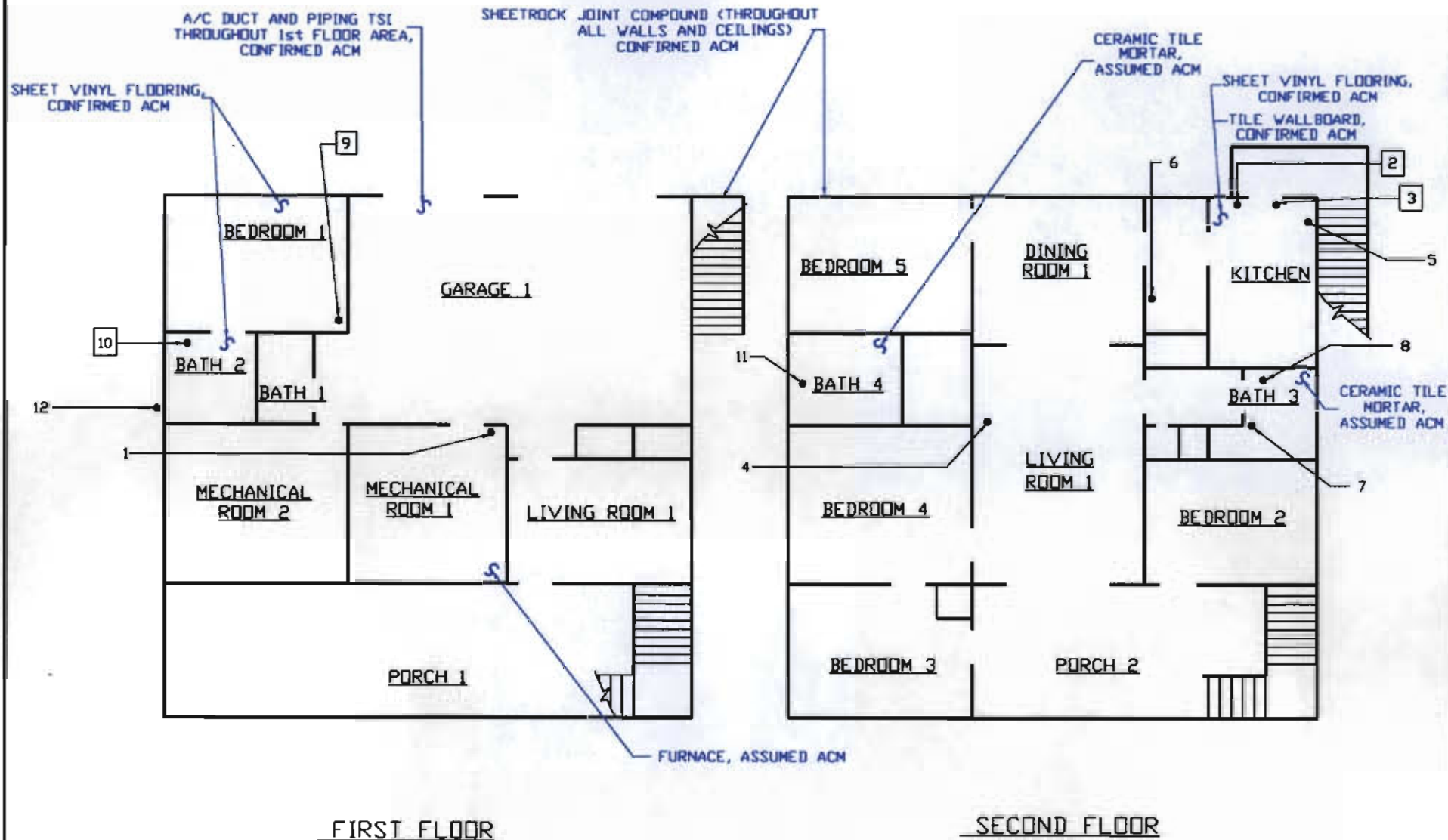
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1599 HOBSON
QUARTERS "O"**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1485-HOBSON-2 1485-HOBSON-3 1505-HOBSON-1 1505 -HOBSON-2	Y Y Y Y	TSI, HVAC DUCT	700 Sq. Ft.	1	YES	D	10%	REPAIR , O & M	
1599 -HOBSON-2 1599-HOBSON-3	Y Y	SHEET VINYL FLOORING, kitchen,	234 Sq. Ft.	6	NO	G	0	O & M	
1599-HOBSON-9 1599-HOBSON-10	Y Y	SHEET VINYL FLOORING, bedroom 1, bath #2	275 Sq. Ft.	6	NO	G	0	O & M	
1505-HOBSON-3 1565HOBSON-3	Y Y	MISC, TILE WALLBOARD kitchen	150 Sq. Ft.	8	NO	G	0	O & M	
1485-HOBSON-1	Y	TSI, PIPING 1 st floor	140 LF	6	NO	G	<1	REPAIR, O & M	Gen. Note 5
152-TURNBULL-2 150-TURNBULL-1 150-TRUNBULL-2 150-TURNBULL-3 1565-HOBSON-1 1565-HOBSON-2 1599-HOBSON-1	Y N N N N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	8200 Sq. Ft. (Gen. Note 1)	6	YES, only where damaged	G	<1	O & M	Approx. 1 Sq. Ft.. damaged in mech. room
NONE	A	TSI, FURNACE	*	*	*	*	*	O & M	Gen. Note 3
NONE	A	MISC, CERAMIC TILE MORTAR, all bathrooms	450 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



• - SAMPLE LOCATION

XX - ASBESTOS DETECTED IN THIS SAMPLE

XX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29406-2106
Ph. (803) 743-6777

Floor Plan (Type-9)
1599 HOBSON - QUARTERS (0)
Charleston Naval Base
Charleston, SC

DWG DATE: 30 JAN 98 DWG NAME: ASB 1599

ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment**
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 150 TURNBULL Date 4/24/97

INSPECTOR ROUCE CHARMA DHEC LICENSE NO 21630 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME ROUCE MURRAY PHONE NO 743-6482 Ext. 230-234

Relinquished to Jimmy J. Smith Date 4-24-97

Relinquished by John Lewis Date 4/24/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
150 TURNBULL -1		SHEETROCK, MECHANICAL Room #1	NONE	WAC
150 TURNBULL -2		SHEETROCK, MECHANICAL Room #1	NONE	WAC
150 TURNBULL -3		SHEETROCK, BEDROOM #2	NONE	WAC

Analyst(s) WAC Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

Environmental Detachment Charleston
1899 North Hobson Ave., North Charleston, South Carolina 29405-2106

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

BUILDING NO. 150 TURNBULL

INSPECTOR: James Lewis DHEC LICENSE NO.: 21686 EXPIRATION DATE: 8/20/98

INSPECTOR: _____ DHEC LICENSE NO.: _____ EXPIRATION DATE: _____

Notify of Results: NAME: James Lewis PHONE NO. 743-2821 ext 139

(Identification is determined by **POLARIZED LIGHT MICROSCOPY** and **DISPERSION STAINING**.)

Sample I. D. #	DATE	TIME	DESCRIPTION	ASBESTOS TYPE (or None)	Analyst Initials
150 TURNBULL B 4	1/28/98		WINDOW GLAZING DOWNSTAIRS BATH	NONE	J.L.S.
150 TURNBULL B 5	1/28/98		WALL PLASTER FORM MASTER BATH	NONE	J.L.S.

RELINQUISHED BY: James Lewis DATE: 1/28/98

RECEIVED BY: J.L. Smith DATE: 1-28-98

ANALYST(S): James J. Smith DATE: 1-28-98

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 152 TURNBULL Date 4/24/97

INSPECTOR ROYCE CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/91

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to James J. Smith Date 4-24-97

Relinquished by James J. Smith Date 4/24/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
152 TURNBULL -1	—	WALL COVERING, ROUGH FINISH LIVING ROOM	NONE	WAC
152 TURNBULL -2	—	WALL COVERING, ROUGH FINISH PORCH 2 LIVING ROOM (TOP OF STAIRS) PUTTY CHRYSOTILE	CHRYSOTILE	WAC
152 TURNBULL -3	—	WALL COVERING / JOINT COMPOUND LIVING ROOM #1	NONE	WAC

Analyst(s) W. J. Smith Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

ANALYST(S): Remond J. Smith DATE: 1-28-98

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 161 EVERGLADES Date 4/24/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR ROYCE CHARAIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/2/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO 743-6482 Ext 230-234
~~Royce Charaia~~

Relinquished to James I. Smith Date 4-24-97

Relinquished by James I. Smith Date 4/27/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
161 EVERGLADES -1		BATHROOM # 3, CAULK (C1)	NONE	WR

Analyst(s) WR Samp Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIAL ACTION
DETACHMENT CHARLESTON
 1899 North Hobson Avenue
 North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Bldg./Vessel 161 Everglades Date: 6/20/97
 SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME James Lewis PHONE NO. 743-2821 ext 139

Relinquished to J. J. Smith Date 6-23-97

Relinquished by James Lewis Date 6/23/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
161 E.G. -2		Bedroom 4, Roller on/spray on wall covering (rough finish) <i>ROLLER</i> <i>JEL</i>	<i>NONE</i>	<i>J.J.S.</i>
161 E.G. -3		Upstairs porch area Wall covering (rough finish)	<i>NONE</i>	<i>J.J.S.</i>

Analyst(s) James J. Smith Date 6-23-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1485 Hobson Date 4/9/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R. CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/31/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to J. J. Smith Date 4/9/97

Relinquished by Ben DTL Date 4/9/97

Logged in by 11 Date _____

IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY (AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1005 Hobson-1		PIPE TSI CARPORT BATHROOM	CHALSYTILE	J.J.S.

Analyst(s) J. J. Smith Date 4/9/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment** Building 1485 HOBSON Date 2/11/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R. HARRIS DHEC LICENSE NO. 21076 EXPIRATION DATE 12/1/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Roxie Charnia PHONE NO. 743-6482 Ext. 230

Relinquished to Jimmy J. Smith Date 4-14-97

Relinquished by J. L. Harris Date 2/11/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1485 HOBSON 2		GARAGE VENT DUCT LAGGING (DTSE-1)	CHRYSTALINE	J.J.S.
1485 HOBSON 3		GARAGE VENT DUCT LAGGING (DTSE-1)	CHRYSTALINE	J.J.S.
1485 HOBSON 4		WALL BETWEEN BATH #3 & CLOSET DAMAGE BEFORE PLASTER SHEETROCK (TEL)	NONE	J.J.S.
1485 HOBSON 5		CARPET (R OLD TILE) MATING 1CM	NONE	J.J.S.
1485 HOBSON 6		↓ (CM)	NONE	J.J.S.
1485 HOBSON 7		↓ (CM)	NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4-23-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment**
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1505 HOBSON ^(area Q) Date 4/11/97

INSPECTOR Rene CHARITA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Rene CHARITA PHONE NO 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-14-97

Relinquished by Blair Long Date 4/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1505 HOBSON-1	—	GARAGE, DUCT TSI (D-TSI-1)	CHRYSO TILE	J.J.S.
1505 HOBSON-2	—	GARAGE, DUCT TSI (D-TSI-1)	CHRYSO TILE	J.J.S.
1505 HOBSON-3	—	KITCHEN, TILE WALL BOARD (TWB1)	CHRYSO TILE	J.J.S.

Analyst(s) James J. Smith Date 4/22/97

Analyst(s) James J. Smith Date 4/23/97

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1505 HOBSON Date: 4/23/97

INSPECTOR ROYCE CHARPIA DHEC LICENSE NO. 21680 EXPIRATION DATE 8/24/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME BRUCE MURRAY
Royce Charpia PHONE NO. 743-6482 Ext. 230-234

Relinquished to Kathy D. Bailey Date 4/24/97

743-9413

Relinquished by James Lewis Date 4/24/97

Logged in by Kathy D. Bailey Date 4/24/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
07-219 1505 HOBSON -4	—	KITCHEN VFS VINYL FLOOR (w/UNDERLYING FLOORS/MASTIC)	Chrysotile	EMR
20 1505 HOBSON -5	—	KITCHEN VFS VINYL FLOOR (w/UNDERLYING FLOORS/MASTIC)	Chrysotile	EMR
07-221 1505 HOBSON -6	—	FIREPLACE BRICK MORTAR (FBI)	No asbestos detected	EMR

Analyst(s) Shelly M. Reader Date 4-28-97

Results phoned to Royce 4-28-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION**

From: (Project) Envir. Eng. & Remediation Detachment Bldg./Vessel 1505 Hobson Date: 6/20/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME James Lewis PHONE NO. 743-2821 ext 139

Relinquished to J. L. Smith Date 6-23-97

Relinquished by James Lewis Date 6/23/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1505 Hobson-7		Dining room wall covering (rough finish)	NONE	J. L. S.

Analyst(s) James L. Smith Date 6-23-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1899 North Hobson Ave Date 4/14/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Reeve Charppa DHEC LICENSE NO 21080 EXPIRATION DATE 5/2/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Reeve Charppa PHONE NO 743-6482 Ext 230

Relinquished to Jimmy J. Smith Date 4-14-97

Relinquished by Reeve Charppa Date 4-14-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1565 HOBSON-1	—	Mech Room SHEETROCK (SRI)	NONE	J.J.S.
1565 HOBSON-2	—	Mech Room SHEETROCK (SRI)	NONE	J.J.S.
1565 HOBSON-3	—	KITCHEN TILE WALL (TUBS)	CHRYSO TILE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4-17-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

DATE: 1-28-98

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION**

From (Project) Envir. Eng. & Remediation Detachment Building 1599 Hobson Ave Date 4/6/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Royce Charria DHEC LICENSE NO 21650 EXPIRATION DATE 3/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO 743-6482 Ext. 230
~~Royce Charria~~

Relinquished to James J. Smith Date 4-14-97

Relinquished by Bruce Murray Date 4/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1518 H-250-1		(SR1) SITEBOOK, MECH ROOM #1	NONE	J.J.S.

Analyst(s) James J. Smith Date 4/17/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1599 Hobson (aux 0) Date: 4/23/97

INSPECTOR Rene Charnia DHEC LICENSE NO. 21680 EXPIRATION DATE 4/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Rene Murant PHONE NO. 743-6482 Ext. 230 FAX 743-9413

Relinquished to Kathy D. Bailey Date 4/24/97

Relinquished by James L. Murray Date 4/24/97

Logged in by Kathy D. Bailey Date 4/24/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
97-222 1599 HOBSON-2		KITCHEN (VF1) VINYL FLOOR w/UNDERLAYING FLOOR & MASTIC	CHRYSTOLITE ASBESTOS	HJR
97-223 1599 HOBSON-3		KITCHEN (VF1) VINYL FLOOR w/UNDERLAYING FLOOR & MASTIC	CHRYSTOLITE ASBESTOS	HJR
97-224 1599 HOBSON-4		LIVING ROOM FIRE PLACE BRICK (FBI)	NO ASBESTOS DETECTED	HJR
97-225 1599 HOBSON-5		KITCHEN WALLPAPER (WPI)	NO ASBESTOS DETECTED	HJR
97-226 1599 HOBSON-6		KITCHEN NOOK - STR 2 WALL PAPER (WPI)	NO ASBESTOS DETECTED	HJR
97-227 1599 HOBSON-7		UPSTAIR BATH (BATH 3) WALL PAPER (WP 2)	NO ASBESTOS DETECTED	HJR
97-228 1599 HOBSON-8		BATH NO 3 WALLPAPER (WP-2)	NO ASBESTOS DETECTED	HJR
97-229 1599 HOBSON-9		BEDROOM #1 (DOWNSTAIRS) VINYL FLOOR (VF2)	CHRYSTOLITE ASBESTOS	HJR

NECTOR ALVAREZ
INDUSTRIAL HYGIENIST

Analyst(s) H.L. Alvarez Date 4/25/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

Post-It™ brand fax transmittal memo 7671		# of pages	
To	BRUCE MURAY	From	H.L. ALVAREZ
Co.		Co.	
Dept.		Phone #	
Fax #	743-9413	Fax #	

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 1599 Hobson

Date: 4/27/97

INSPECTOR Renee CHARITA

DHEC LICENSE NO. 21680

EXPIRATION DATE 8/21/97

INSPECTOR _____

DHEC LICENSE NO. _____

EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Renee Charita

PHONE NO. 743-6482 Ext. 230

Relinquished to Kathy D. Bailey Date 4/24/97

Relinquished by James L. Linn Date 4/24/97

Logged in by Kathy D. Bailey Date 4/24/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1599 Hobson 10		BATTROOM #2 VINYL FLOOR (VF2)	CHRYSOPTILE ASBESTOS	

HECTOR ALVAREZ
INDUSTRIAL HYGIENIST

Analyst(s) H. L. Alvarez Date 4/25/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

97-230

ASBESTOS SAMPLES CHAIN OF CUSTODY RECORD

(Identification is determined by POLARIZED LIGHT MICROSCOPY and DISPERSION STAINING.)

DATE: 1-28-98

**ASBESTOS SURVEY
TYPE HD-23 HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

There are twenty housing units built to the HD-23 floor plan style. Eighteen of these are duplexes and two are single family units. *One unit, 1356 AVENUE H, was occupied and was NOT INSPECTED.* Each unit is 2381 square feet, including garage and porch areas. Exterior siding is transite (assumed asbestos) which in some cases had minor damage such as nicks and chips. Roofing material is asphalt shingle. Houses are in good condition but there are signs of neglect such as flaking paint and other observations as noted in the Building Summary Tables. All units are similar in construction and have materials that are homogeneous to all HD-23 units. See individual Building Summary Tables for information on each unit. Also, loose pieces of transite siding were noted in the crawl spaces of several units.

HD-23 HOUSING UNITS:

<u>ADDRESS:</u>	<u>BUILDING / QUARTERS NO.:</u>
761 COMMISSARY ST.	M 6
775 COMMISSARY ST.	M 7
801 COMMISSARY ST.	M 8
804 MARINE AVE.	M 5
809 COMMISSARY ST.	M 9
1285 AVE G	E E
1288 AVE H	F F
1293 AVE G	D D
1294 AVE H	G G
1304 AVE H	H H
1305 AVE G	C C
1310 AVE H	I I
1311 AVE G	B B
1345 AVE G	A A
1350 AVE H	J J
1351 AVE G	L L
1445 HOBSON AVE.	X
1455 HOBSON AVE.	W
1575 HOBSON AVE.	D

**ASBESTOS SURVEY
TYPE HD-23 HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

2. FINDINGS:

Twenty homogeneous sampling areas were identified as possible Asbestos Containing Material (ACM). Of the twenty homogeneous sampling areas, **eight were confirmed to contain asbestos** (including 5 different styles of sheet vinyl flooring), **three were assumed to contain asbestos**, and nine were considered to be asbestos free.

CONFIRMED ACM

1. SHEET VINYL FLOORING, five different styles of sheet vinyl flooring were noted, see building summary tables for locations in individual units
2. DUCT JOINT TAPE (on hvac duct joints), in crawl space
3. FURNACE GASKET MATERIAL, in mechanical room, (see General Note 3)
4. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house, (see General Note 1) NOTE: in areas of flaking paint, there could be exposed joint compound

ASSUMED ACM

1. DUCT JOINT TAPE, mechanical room, (labeled "contains asbestos") the exterior is coated with gray mastic. The mastic is non-asbestos.
2. CERAMIC TILE MORTAR, all bathrooms
3. TRANSITE SIDING, house exterior, porches

ASBESTOS FREE

1. CAULKING, bathrooms and kitchens
2. FIREPROOF SHEATHING, black sheathing in garages
3. WALLPAPER, various rooms
4. ROLLED ON WALL COVERING, textured, rough finish wall coating, various rooms
5. WALL BOARD, below chair rail, various rooms
6. STAIR TREAD ADHESIVE
7. CARPET MASTIC
8. ATTIC INSULATION
9. EXTERIOR WINDOW GLAZING

NOTE:

- Carpet Mastic (CM) and Stair Tread Adhesive (STA1) not present in all houses.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

1. Many sheetrock walls and ceilings have joint compound applied to seams and nail holes. In some cases this joint compound tested positive for asbestos. The walls and ceilings that have asbestos containing joint compound applied must be considered as ACM in their entirety, even though the sheetrock itself may be non-asbestos.
NOTE: Flaking paint on these surfaces could expose asbestos.
2. Cloth-like wiring insulation in all houses is a suspected asbestos containing material. Sampling of this insulation should be performed prior to any disturbance.
3. Many houses contain oil-burning furnaces and boilers, which may contain suspected ACM such as gaskets, seals, and asbestos board, etc. The condition and quantity of these materials could not be determined without disassembly. Sampling of these materials should be performed prior to any disturbance.
4. Convenience samples were taken of various roofing materials. All samples were negative. However sufficient samples could not be obtained of all roofing material to rule out roofing material as non-asbestos.
5. The assessments of piping TSI and HVAC duct TSI are for readily accessible portions of the piping and ductwork only. It should be noted that much of these systems could exist in wall interiors and between floors and ceilings of adjoining floors. This report does not assess the amount and condition of TSI in these inaccessible areas but they should be considered prior to any renovation or demolition.
6. Most of the sheet vinyl flooring found in these houses consists of multiple layers of flooring. Most of the flooring had at least one layer that was ACM. Also some sheet vinyl flooring was placed over floor tiles. In most cases these floor tiles are either assumed or confirmed ACM.
7. Items listed in the Building Summaries, as "CONFIRMED ACM" were proven to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
8. Items listed in the Building Summaries as "ASSUMED ACM" are assumed to be greater than one percent asbestos. Assumptions are based on past experience with similar materials.
9. Items listed in the Building Summaries as "ASBESTOS FREE" are suspected asbestos containing materials that were found not to contain greater than one percent asbestos through bulk sampling and laboratory analysis.
10. Building Summary Tables only list CONFIRMED ACM and ASSUMED ACM.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

11. Definitions Of AHERA CATEGORIES (1 through 8) as used in building summary tables:

1. Damaged or Significantly Damaged friable thermal system insulation.
2. Damaged friable surfacing ACM.
3. Significantly Damaged friable surfacing ACM.
4. Damaged or Significantly Damaged friable miscellaneous ACM.
5. ACM with potential for significant damage.
6. ACM with potential for damage.
7. Any remaining friable ACM or friable suspected ACM.
8. Non-friable ACM.

12. Explanation of "CONDITION" as used in BUILDING SUMMARY TABLES:

SURFACING and MISCELLANEOUS MATERIAL

- SIGNIFICANTLY DAMAGED (material with one or more of the following characteristics)
 - (a) The surface is crumbling or blistered over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
 - (b) One tenth (one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
 - (c) Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- DAMAGED (material with the following characteristics)
 - (a) The surface is crumbling, blistered, water-stained, gouged, marred or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed (one quarter if the damage is localized).
- GOOD CONDITION
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.

ASBESTOS SURVEY
CHARLESTON NAVAL COMPLEX HOUSING
CHARLESTON, S.C.

GENERAL NOTES

THERMAL SYSTEM INSULATION

- **SIGNIFICANTLY DAMAGED** (material with one or more of the following characteristics)
 - (a) Missing jackets on at least one tenth of the piping or equipment.
 - (b) Crushed or heavily gouged or punctured insulation on at least one tenth of pipe, duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).
 - **DAMAGED** (material with one or more of the following characteristics)
 - (a) A few water stains on less than one tenth of insulation with missing jackets.
 - (b) Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).
 - **GOOD CONDITION**
 - (a) Material with no visible damage or deterioration, or showing only very limited damage or deterioration.
-

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**761 COMMISSARY ST.
QUARTERS M-6
PLAN HD-23**

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	Y Y Y Y	DUCT JOINT TAPE , hvac duct joints in crawl space	35 DUCT JOINTS, various sizes - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
ASSUMED	A	DUCT JOINT TAPE, hvac duct joints in mech rm.	30 DUCT JOINTS, various sizes, 4" to 8"	8	NO	G	0	O & M	previously repaired / encapsulated
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	N N N N Y N N Y Y N N N N N N N N	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. -5 sq. ft. • damage upstairs bedroom- 3sq. ft. flaking and or peeling paint / wall covering <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	N N N Y N N N N	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	6	YES only where damaged	G	< 1	REPAIR O & M	damage in bedroom 1
761-COMM-2 804-MARINE-4 1305-G-1	Y Y Y	SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**761 COMMISSARY ST.
QUARTERS M-6
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1305-G-2	Y	FURNACE, gasket material	*	*	*	*	*	O & M	See General Note 3
NONE	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	EXTERIOR SIDING, (TRANSITE)	*	*	*	*	*	*	* assessment not required on exterior material
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

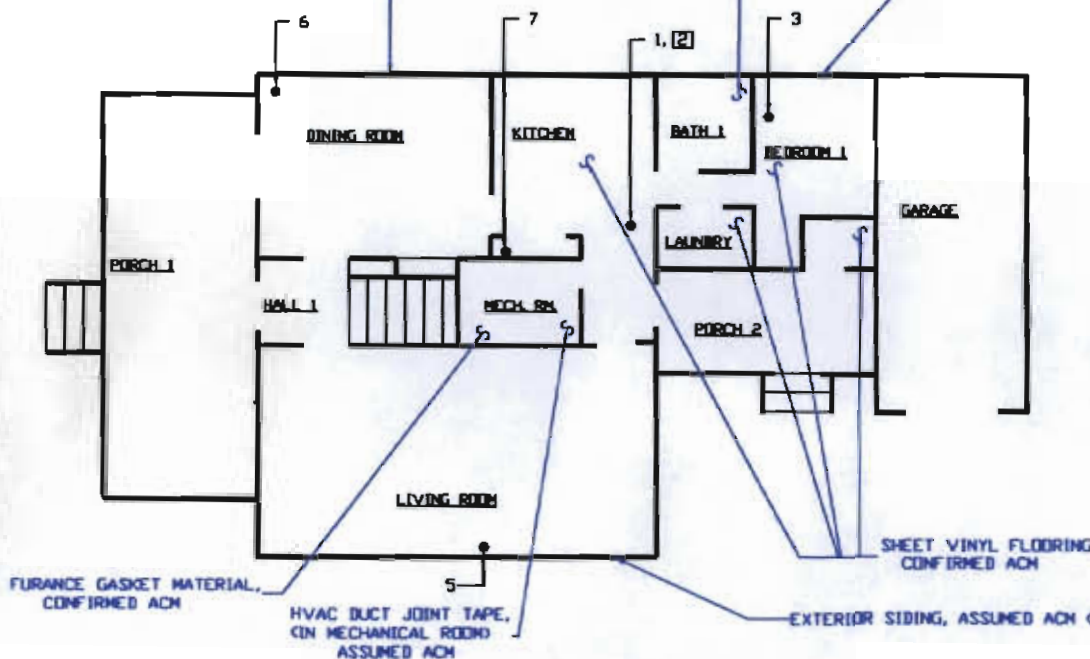
ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

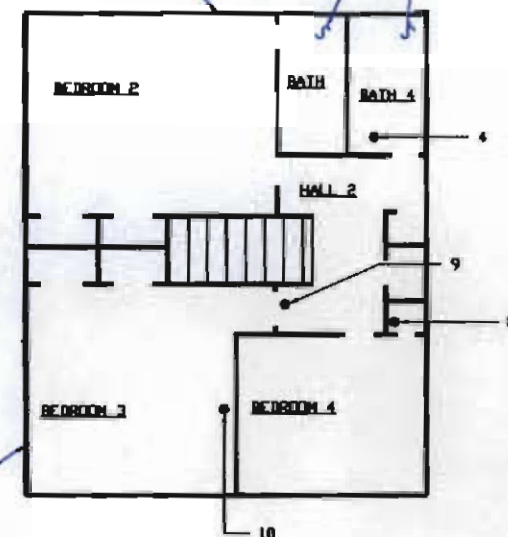
CERAMIC TILE MORTAR,
ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM



FIRST FLOOR



SECOND FLOOR

LEGEND

● - SAMPLE LOCATION

[XX] - TESTED POSITIVE FOR ASBESTOS

xx - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
761 COMMISSARY ST. QUARTERS (M6)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 761

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**775 COMMISSARY ST.
QUARTERS M-7
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	Y Y Y Y	MISC., DUCT JOINT TAPE, crawl space, hvac duct	35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 775-COMM-10 775-COMM-11 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	N N N N Y N Y Y N Y Y N N N N N N N N	MISC. SHEETROCK W/JOINT COMPOUND AND TAPE	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR, O & M	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • 25 sq. ft. flaking and or peeling paint / wall covering • see general note 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	N N N Y N N N N	MISC., SHEET VINYL FLOORING kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	NO	G	0	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	Y Y Y	MISC., SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

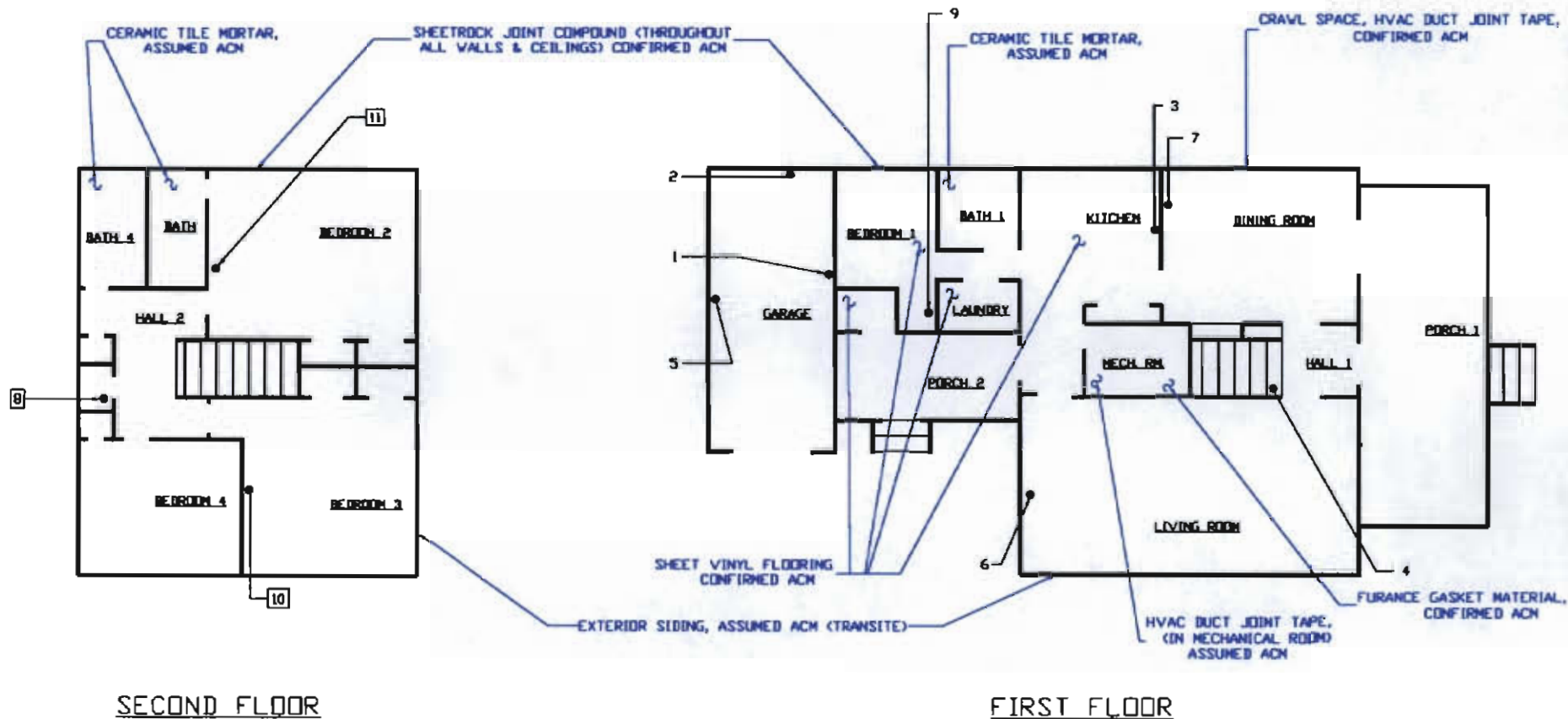
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**775 COMMISSARY ST.
QUARTERS M-7
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1305-G-2	Y	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* see general note 3
NONE	A	MISC. CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
NONE	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS.	8	NO	G	0	O & M	previously repaired / encapsulated
NONE	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	O & M	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft..	8	NO	G	0	O & M	

ABBREVIATIONS: HMG.NO = Homogeneous Area Number, ACM = Asbestos Containing Material, Y = Yes, N = No, A = Assumed, % D = Percent Damaged, DAM. = Damaged, SIG. DAM. = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program



LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
775 COMMISSARY ST. QUARTERS (M7)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 775

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**801 COMMISSARY ST.
QUARTERS M-8
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	Y Y Y Y	MISC. DUCT JOINT TAPE , hvac duct joints in crawl space	35 DUCT JOINTS, various sizes - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
NONE	A	MISC. DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	N N N N Y N N Y Y N N N N N N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 3 sq. ft. • upstairs bedroom 1 sq. ft. flaking and or peeling paint / wall covering <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	N N N Y N N N N	MISC. SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

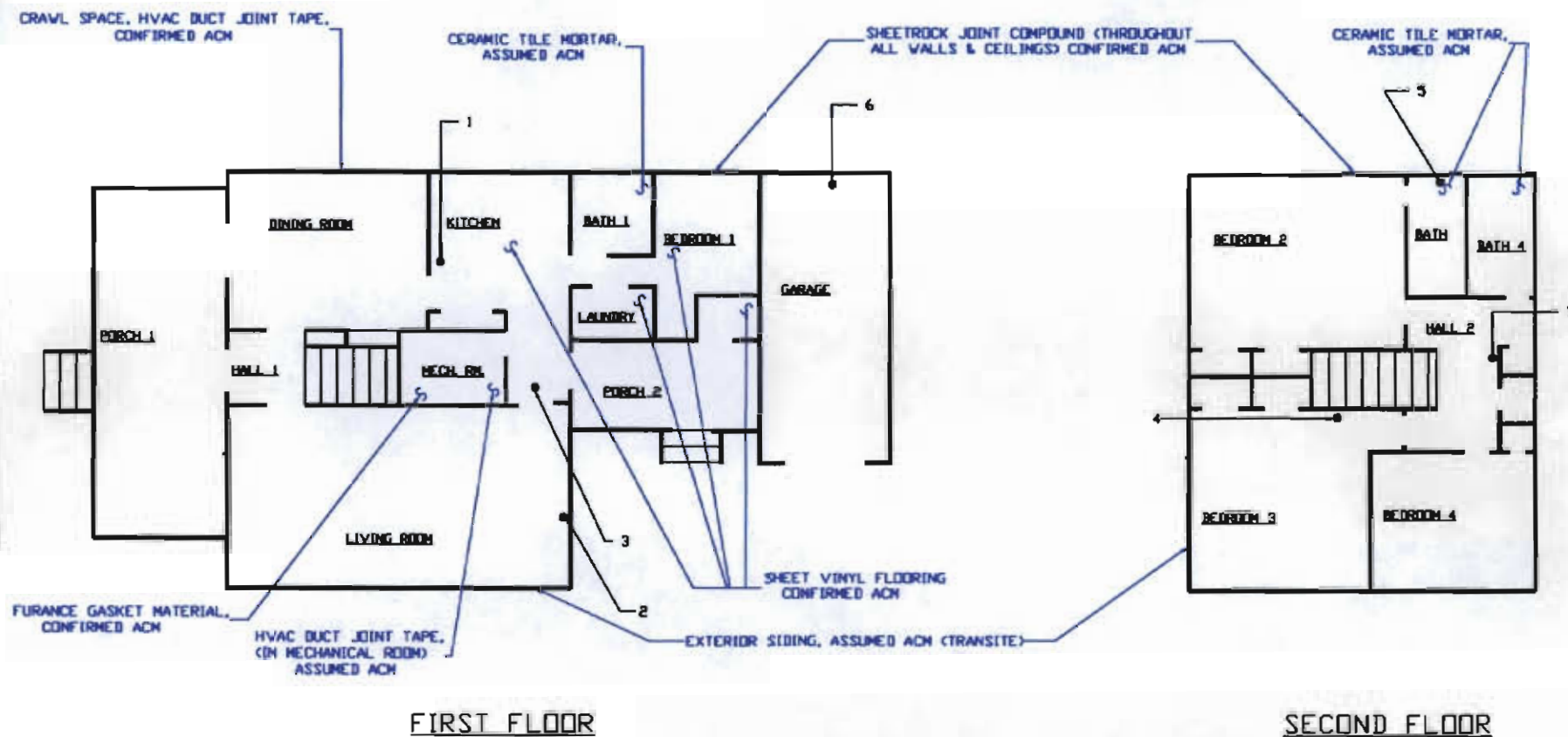
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**801 COMMISSARY ST.
QUARTERS M-8**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
761-COMM-2 804-MARINE-4 1305-G-1	Y Y Y	MISC. SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	GOOD	0	O & M	
1305-G-2	Y	FURNACE , gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	GOOD	0	O & M	
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior material
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan (Type HD-23)
801 COMMISSARY ST. QUARTERS (M8)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 801

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**804 MARINE AVENUE
QUARTERS M-5
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	Y Y Y Y	MISC. DUCT JOINT TAPE , hvac duct joints in crawl space	35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	N N N N Y N N Y Y N N N N N N N N	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • 7 sq. ft. flaking and or peeling paint / wall covering in various rooms <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	N N N Y N N N N	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	NO	G	0	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	Y Y Y	SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	Y	FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

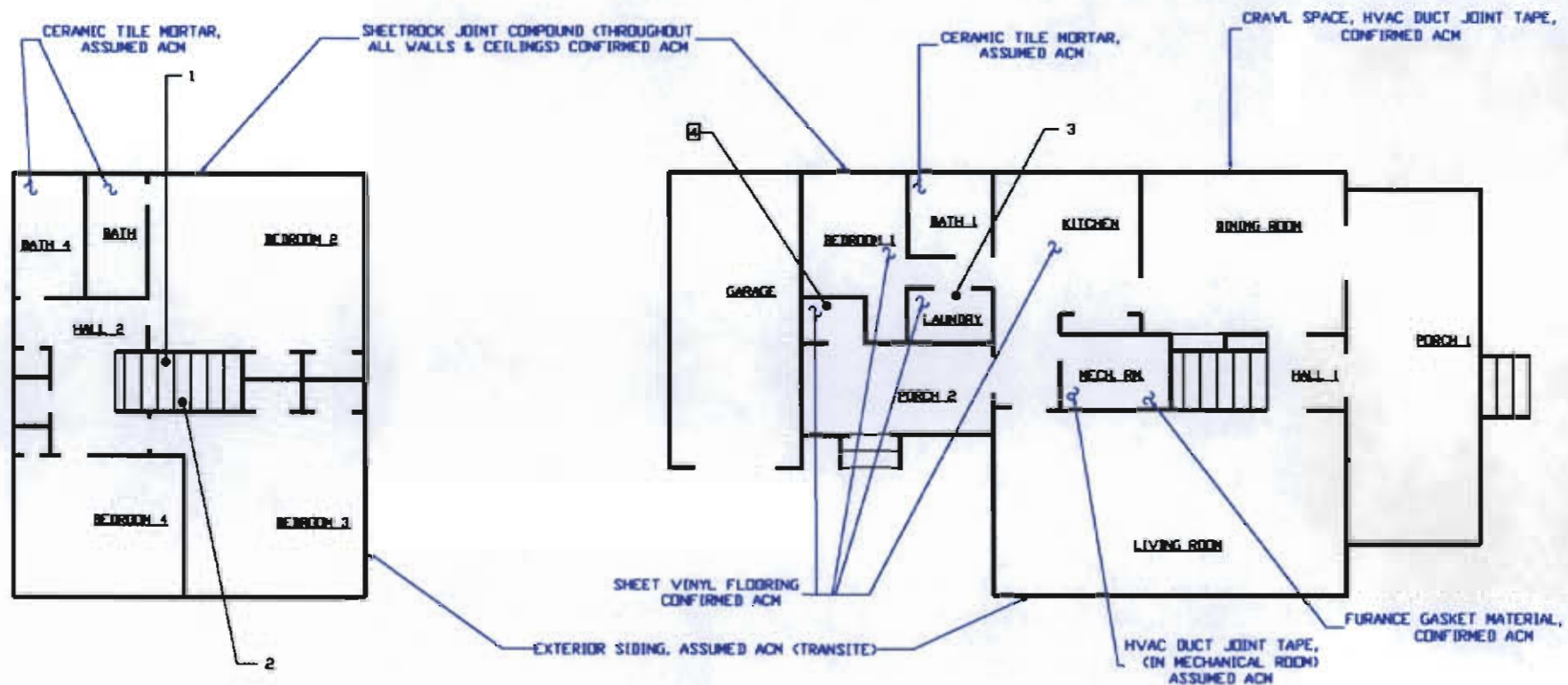
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**804 MARINE AVENUE
QUARTERS M-5
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior material
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
804 MARINE AVE. QUARTERS (M5)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 804

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**809 COMMISSARY ST.
QUARTERS M-9
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	Y Y Y Y	MISC. DUCT JOINT TAPE , hvac duct joints in crawl space	35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	N N N N Y N N Y Y N N N N N N N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 2 sq. ft. • 2 sq. ft. flaking and or peeling paint / wall covering in various rooms <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	N N N Y N N N N	MISC SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	YES ONLY WHERE DAMAGED	G	< 1	REPAIR and O & M	
761-COMM-2 804-MARINE-4 1305-G-1	Y Y Y	MISC. SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	Y	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

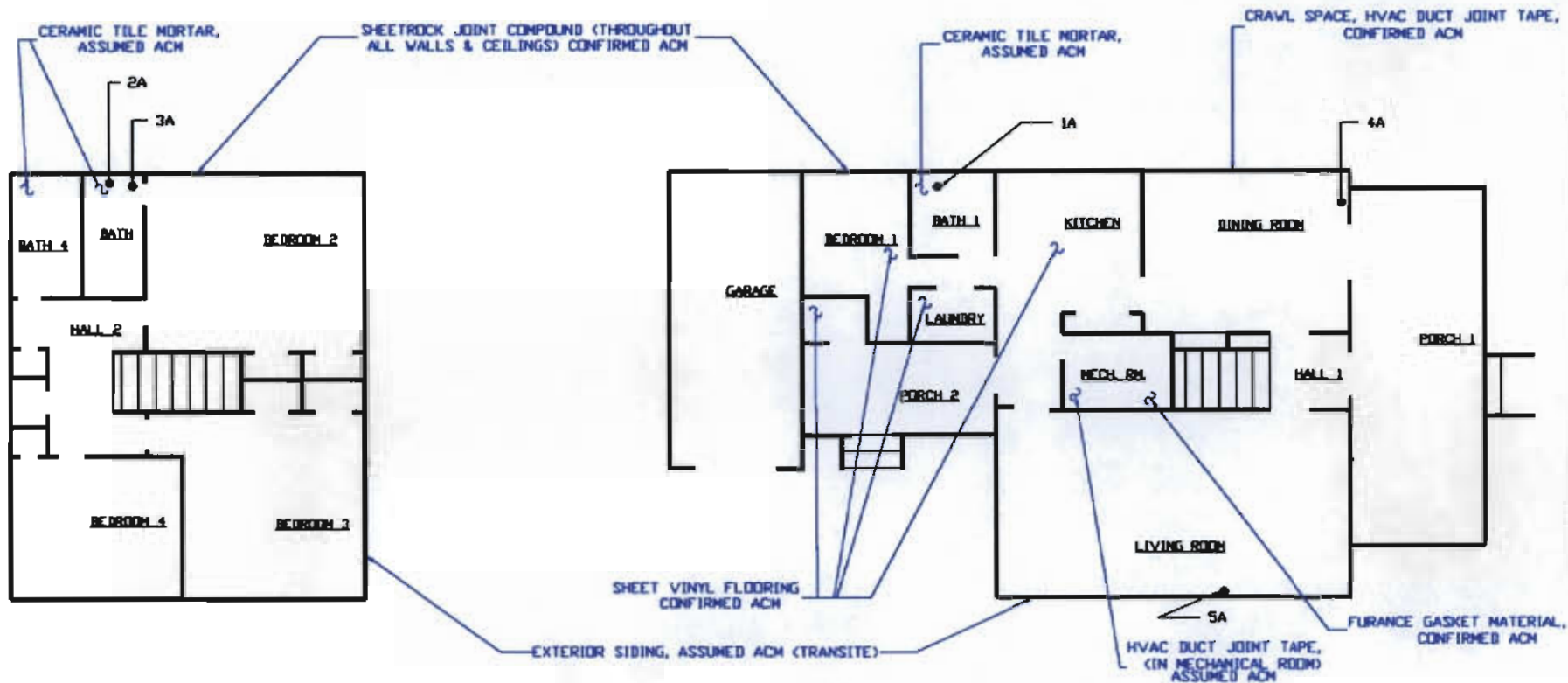
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**809 COMMISSARY ST.
QUARTERS M-9
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	MISC. CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	MISC. DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	MISC. EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	MISC. EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
809 COMMISSARY ST. QUARTERS (M9)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 809

NOTE:

- ASBESTOS DUCT JOINT TAPE IN THE CRAWL SPACE OF QUARTERS EE WAS REMOVED AND REPLACED WITH NON-ASBESTOS TAPE DURING SEPTEMBER OF 1997.
- ALL OTHER ACM FOUND DURING THE INSPECTION COVERED BY THIS REPORT REMAINS IN PLACE.

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1285 AVENUE G
QUARTERS EE
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE , hvac duct joints in crawl space	35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • damage in laundry 10 sq. ft. • 3 sq. ft. flaking and or peeling paint / wall covering in various rooms <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	MISC., SHEET VINYL FLOORING kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	6	YES ONLY WHERE DAMAGED	G	< 1	REPAIR and O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	SHEET VINYL FLOORING, porch 2 closet	12 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* See General Note 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1285 AVENUE G
QUARTERS EE
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
NONE	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
NONE	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

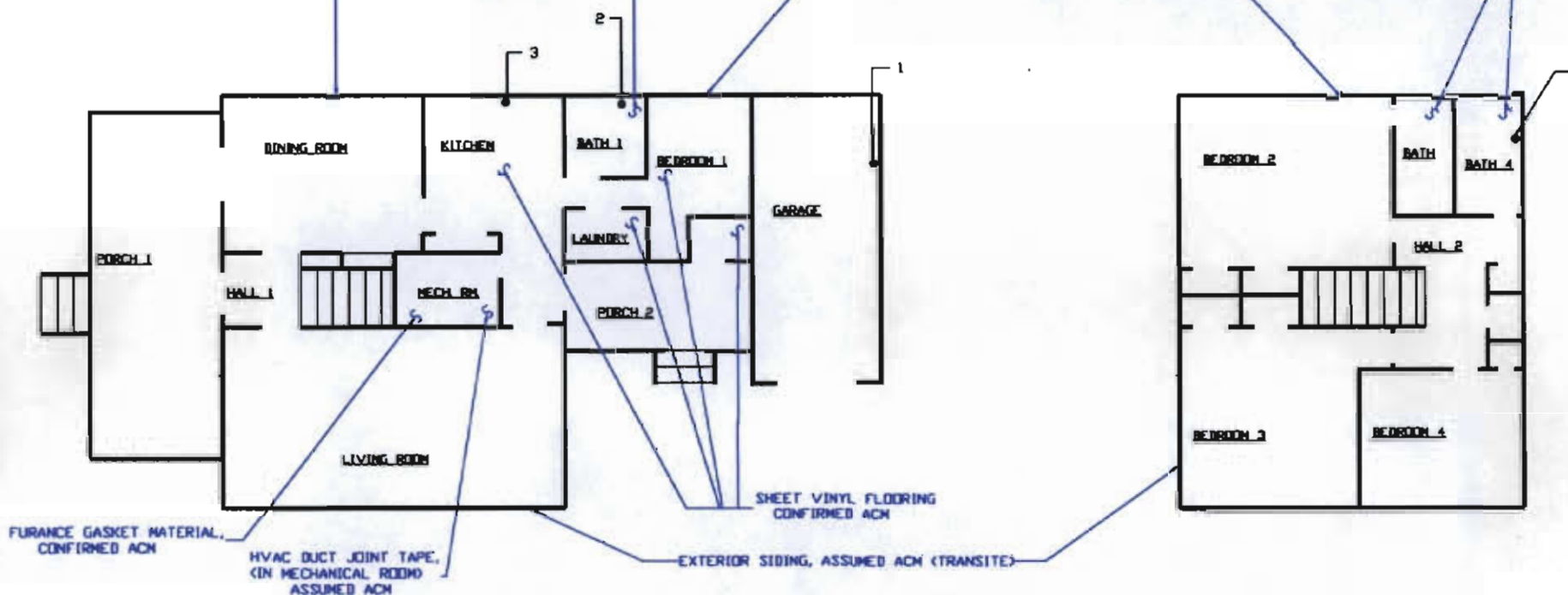
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CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM



FIRST FLOOR

SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1285 AVE. "G" QUARTERS (EE)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 | DWG NAME: ASB 1285

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1288 AVENUE H
QUARTERS FF
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT, hvac duct joints in crawl space	35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 3 sq. ft. • 5 sq. ft. flaking and or peeling paint / wall covering in various rooms. <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry, porch closet	262 Sq. Ft.	6	YES ONLY WHERE DAMAGED	GOOD	< 1	REPAIR and O & M	Damage in hall, just outside laundry.
1305-G-2	YES	FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

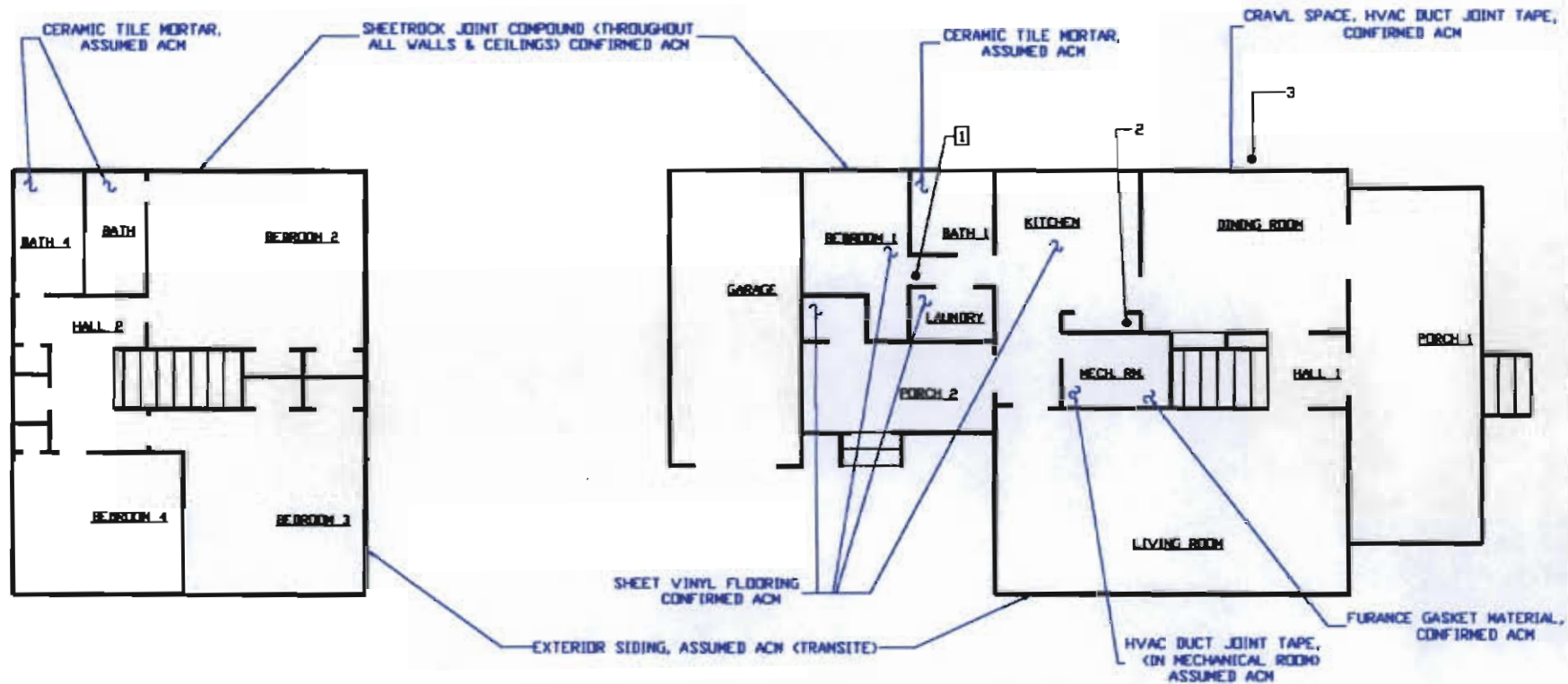
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1288 AVENUE H
QUARTERS FF
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS	8	NO	GOOD	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETCHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1288 AVE. "H" QUARTERS (FF)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1288

NOTE:

- ASBESTOS DUCT JOINT TAPE IN THE CRAWL SPACE OF QUARTERS DD WAS REMOVED AND REPLACED WITH NON-ASBESTOS TAPE DURING SEPTEMBER OF 1997.
- ALL OTHER ACM FOUND DURING THE INSPECTION COVERED BY THIS REPORT REMAINS IN PLACE.

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1293 AVENUE G
QUARTERS DD
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT, hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, all walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • 10 sq. ft. flaking and or peeling paint / wall covering in various rooms <p>See General Note 3</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry, porch closet	262 Sq. Ft.	6	NO	G	0	O & M	
1305-G-2	YES	FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

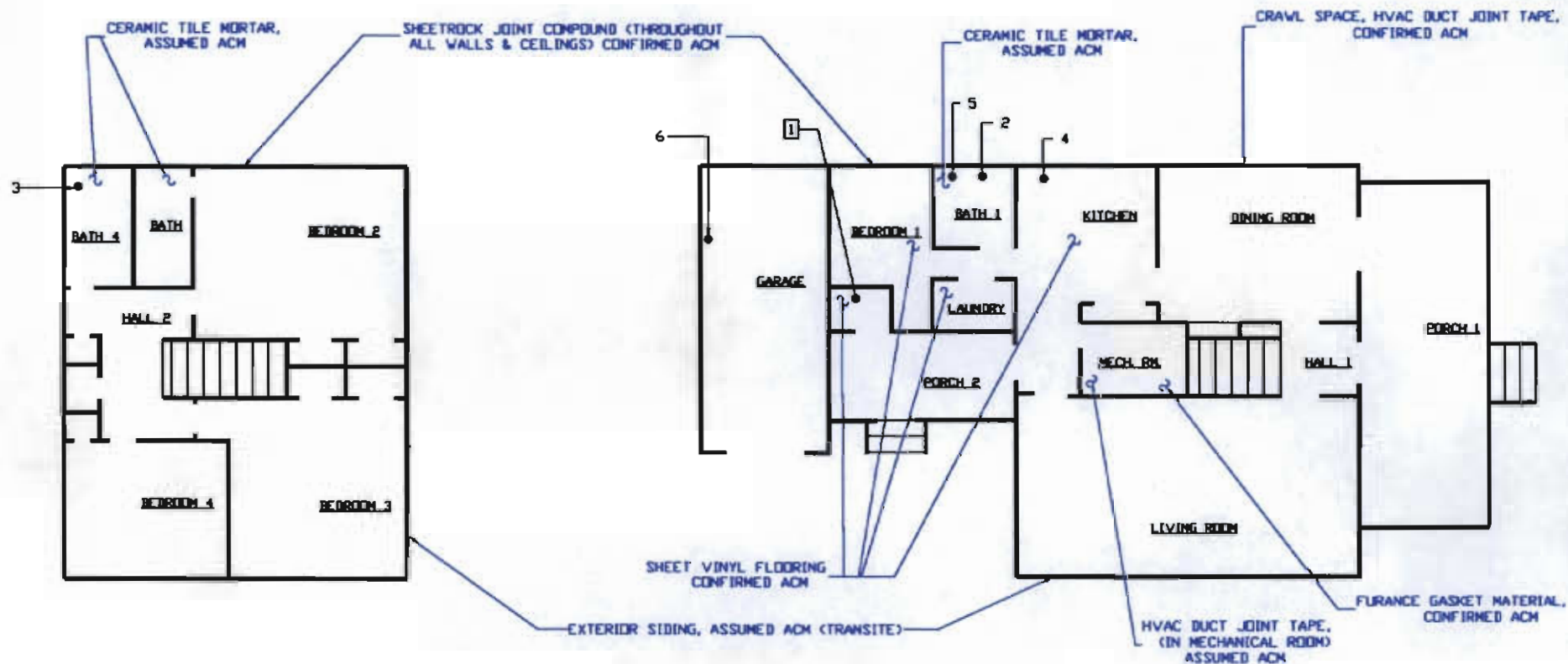
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1293 AVENUE G
QUARTERS DD
PLAN HD-23**

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1293 AVE. "G" QUARTERS (DD)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1293

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1294 AVENUE H
QUARTERS GG
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	2	REPAIR O & M	<ul style="list-style-type: none"> damage in mech rm. - 1 sq. ft. 120 sq. ft. flaking and or peeling paint / wall covering in various rooms. <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry, porch closet	262 Sq. Ft.	6	NO	G	0	O & M	
1305-G-2	YES	FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1294 AVENUE H
QUARTERS GG
PLAN HD-23**

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

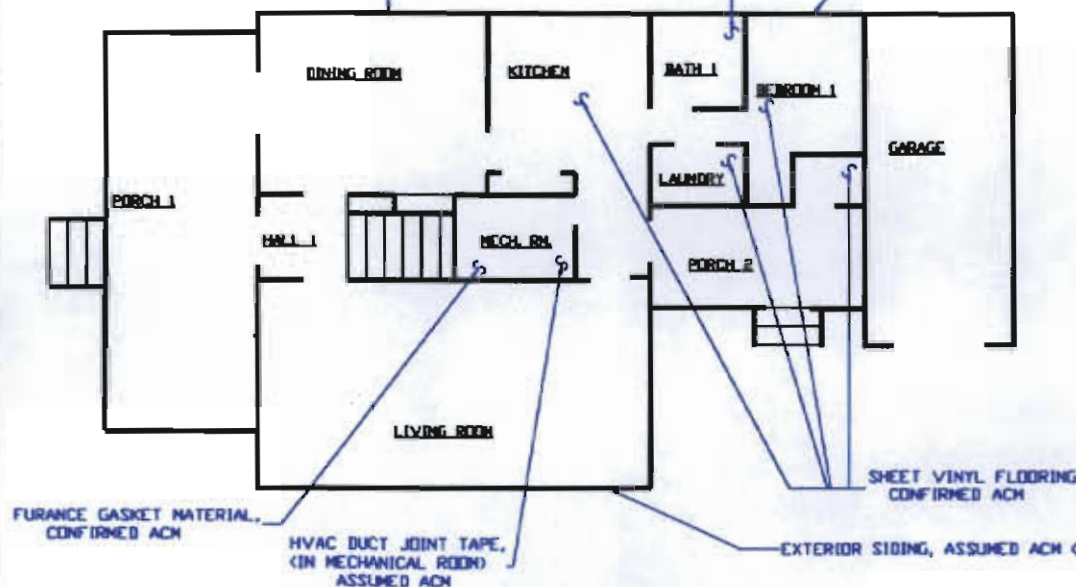
ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

CRAWL SPACE, HVAC DUCT JOINT TAPE, CONFIRMED ACM

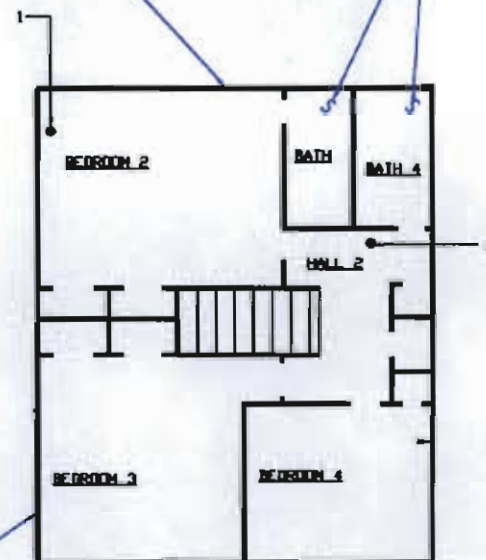
CERAMIC TILE MORTAR, ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR, ASSUMED ACM



FIRST FLOOR



SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - TESTED POSITIVE FOR ASBESTOS
- xx - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1294 AVE. "H" QUARTERS (HH)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1294

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1304 AVENUE H
QUARTERS HH
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> • damage in mech rm. - 2 sq. ft. • 4 sq. ft. flaking and or peeling paint / wall covering in various upstairs rooms. <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	MISC., SHEET VINYL FLOORING, kitchen, bedroom l, hall, closets, laundry, porch closet	262 Sq. Ft.	6	NO	G	0	O & M	
1305-G-2	YES	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

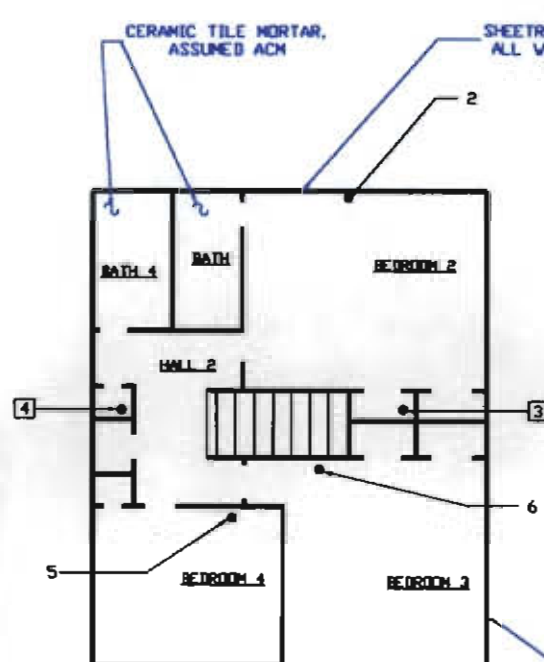
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

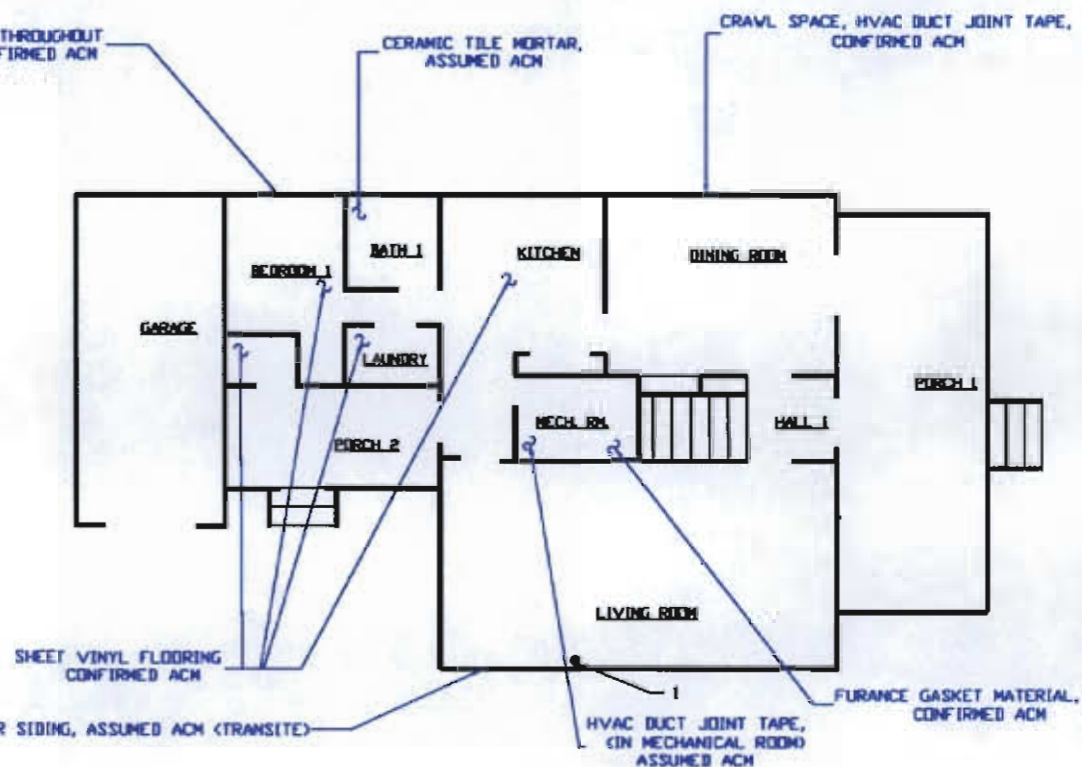
**1304 AVENUE H
QUARTERS HH
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	MISC., CERAMIC TILE MORTAR, all bathrooms	375	8	NO	G	0	O & M	
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR



FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1304 AVE. "H" QUARTERS (HH)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1304

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1305 AVENUE G
QUARTERS CC
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., DUCT SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • 10 sq. ft. flaking and or peeling paint / wall covering in upstairs hall. See General Note # 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	MISC., SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	NO	G	0	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	MISC., SHEET VINYL FLOOR, porch closet	12 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1305 AVENUE G
QUARTERS CC
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1305-G-2	YES	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

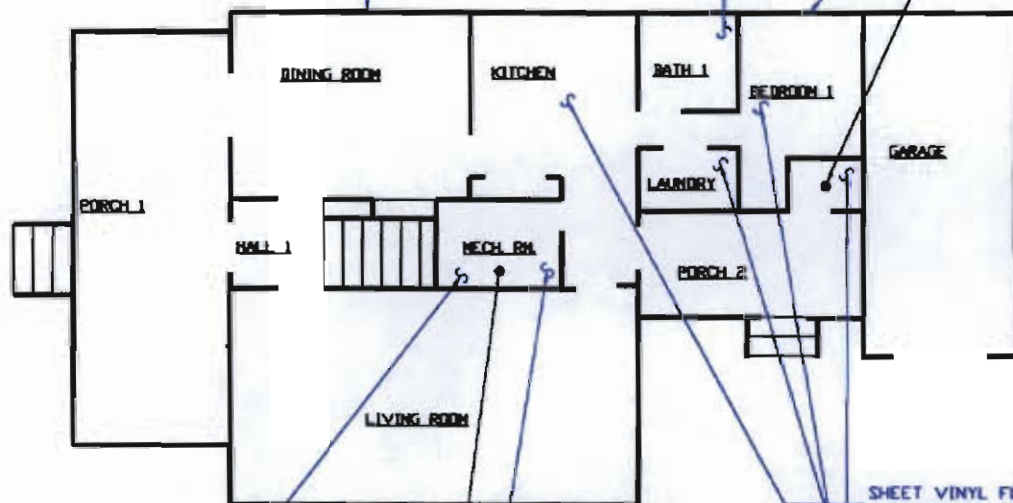
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CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM



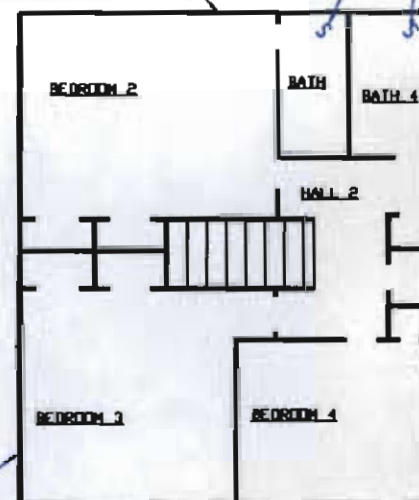
FURANCE GASKET MATERIAL,
CONFIRMED ACM

HVAC DUCT JOINT TAPE,
IN MECHANICAL ROOM
ASSUMED ACM

SHEET VINYL FLOORING
CONFIRMED ACM

EXTERIOR SIDING, ASSUMED ACM (TRANSITE)

FIRST FLOOR



SECOND FLOOR

LEGEND

• - SAMPLE LOCATION

XX - TESTED POSITIVE FOR ASBESTOS

XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan (Type HD-23)
1305 AVE. "G" QUARTERS (CC)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1305

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1310 AVENUE H
QUARTERS 11
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
ASSUMED	A	MISC., DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	• damage in mech rm. - 1 sq. ft. See General Note 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	MISC., SHEET VINYL FLOORING, bedroom 1, laundry	103 Sq. Ft..	6	YES, ONLY WHERE DAMAGED	G	2	REPAIR O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	MISC., SHEET VINYL FLOOR, porch closet	12 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1310 AVENUE H
QUARTERS 11
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1310-H-1 1310-H-2 1310-H-3 1310-H-5	N N Y Y	MISC., SHEET VINYL FLOORING kitchen, hall, closets	147 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	YES	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

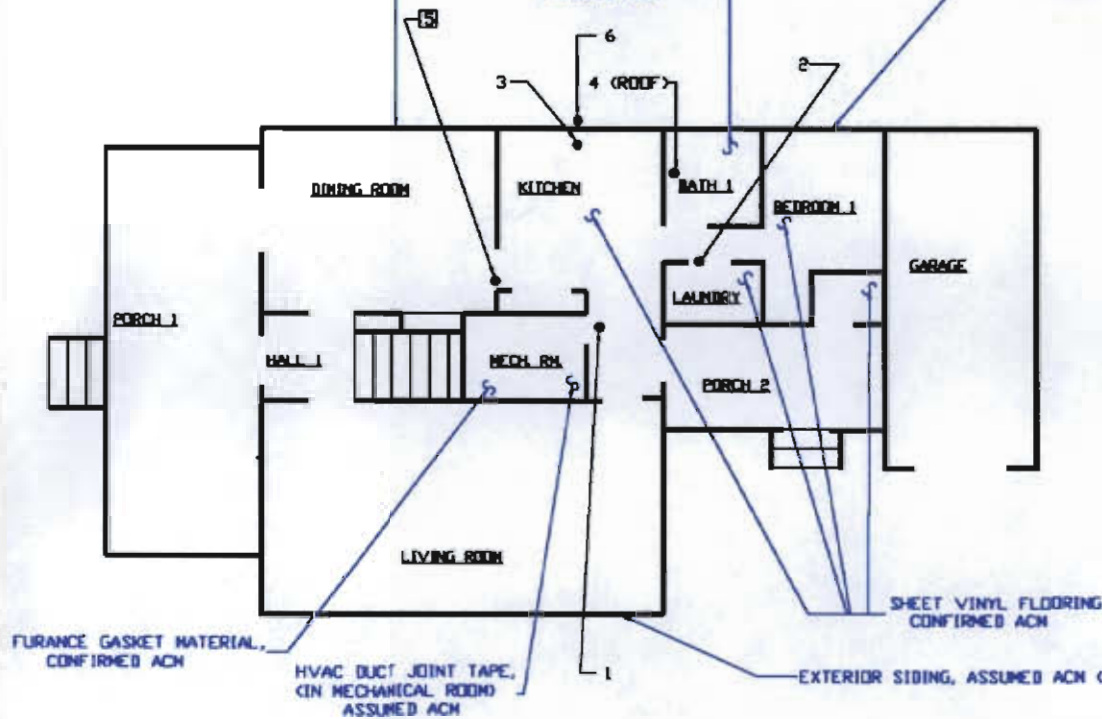
ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

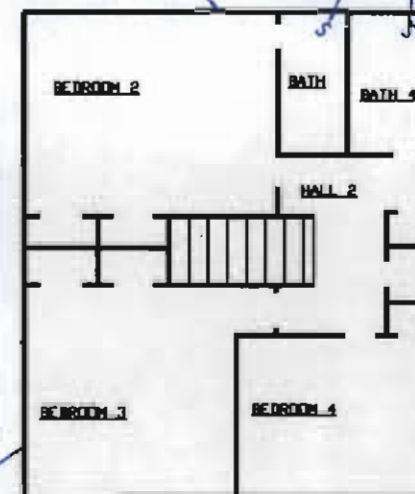
CERAMIC TILE MORTAR,
ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM



FIRST FLOOR



SECOND FLOOR

LEGEND

● - SAMPLE LOCATION

XX - TESTED POSITIVE FOR ASBESTOS

xx - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1310 AVE. "H" QUARTERS (II)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1310

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1311 AVENUE G
QUARTERS B B
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	MISC., DUCT JOINT TAPE, on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	MISC., SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> damage in mech rm. - 1 sq. ft. See General Note 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	MISC., SHEET VINYL FLOORING, bedroom 1, laundry	103 Sq. Ft.	8	NO	G	0	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	MISC., SHEET VINYL FLOORING, porch closet	12 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1311 AVENUE G
QUARTERS B B
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1311-G-2 1311-G-5 1311-G-6	N N Y	MISC., SHEET VINYL FLOORING kitchen, hall	108 Sq. Ft.	6	YES only where damaged	G	2	REPAIR O & M	Damage, 2 sq. ft. @ entrance door.
1305-G-2	YES	TSI, FURNACE, gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	MISC., DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1345 AVENUE G
QUARTERS A A
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • kitchen ceiling, water damage 20 sq. ft. • 2 sq. ft flaking / peeling paint in various rooms. <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	8	NO	G	1	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	SHEET VINYL FLOORING, porch closet	12 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	YES	FURNACE. gasket material	*	*	*	*	*	O & M	* See General Note 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1345 AVENUE G
QUARTERS A A
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

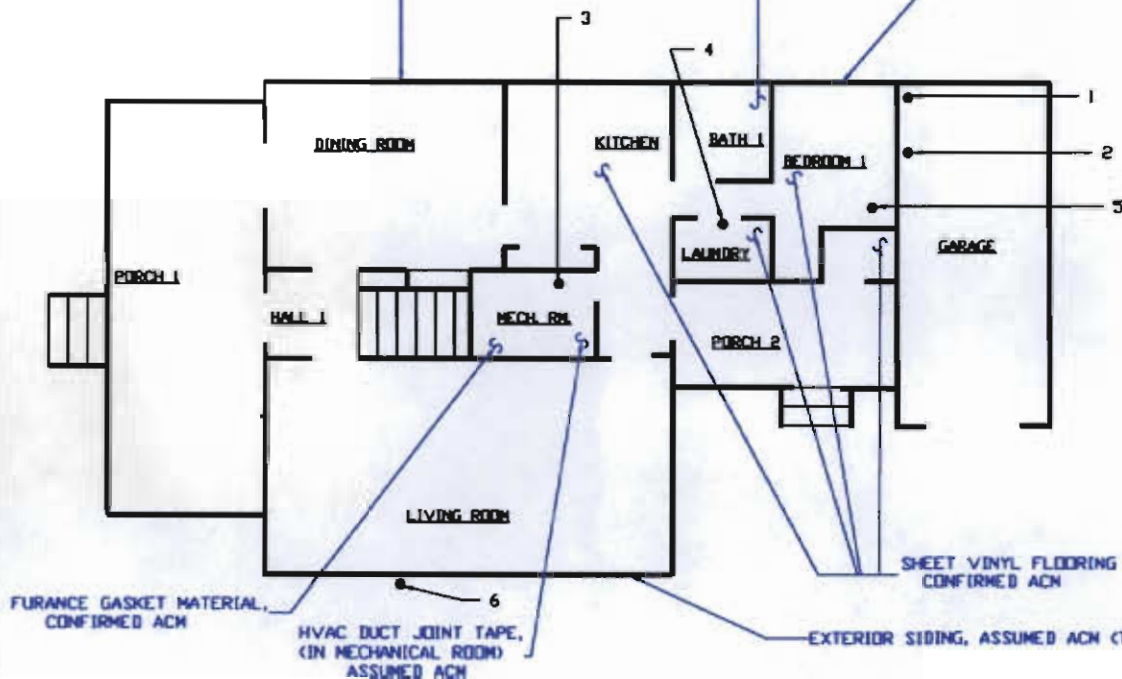
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CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

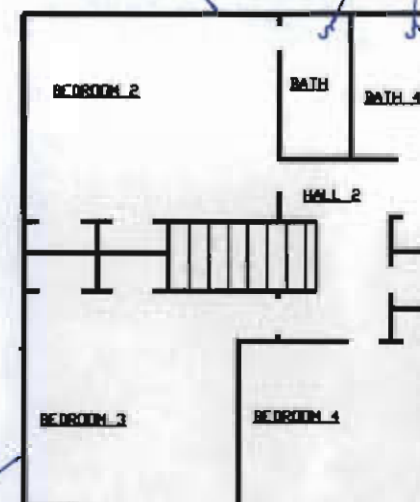
CERAMIC TILE MORTAR,
ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM



FIRST FLOOR



SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- XX - TESTED POSITIVE FOR ASBESTOS
- xx - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-8777

Floor Plan (Type HD-23)
1345 AVE. "G" QUARTERS (AA)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 | DWG NAME: ASB 1345

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1350 AVENUE H
QUARTERS J J
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	• damage in mech rm. - 1 sq. ft. See General Note 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom 1, hall, closets, laundry	250 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	1	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	SHEET VINYL FLOOR, porch closet	12 Sq. Ft.	8	NO	G	0	O & M	
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* See General Note 3

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

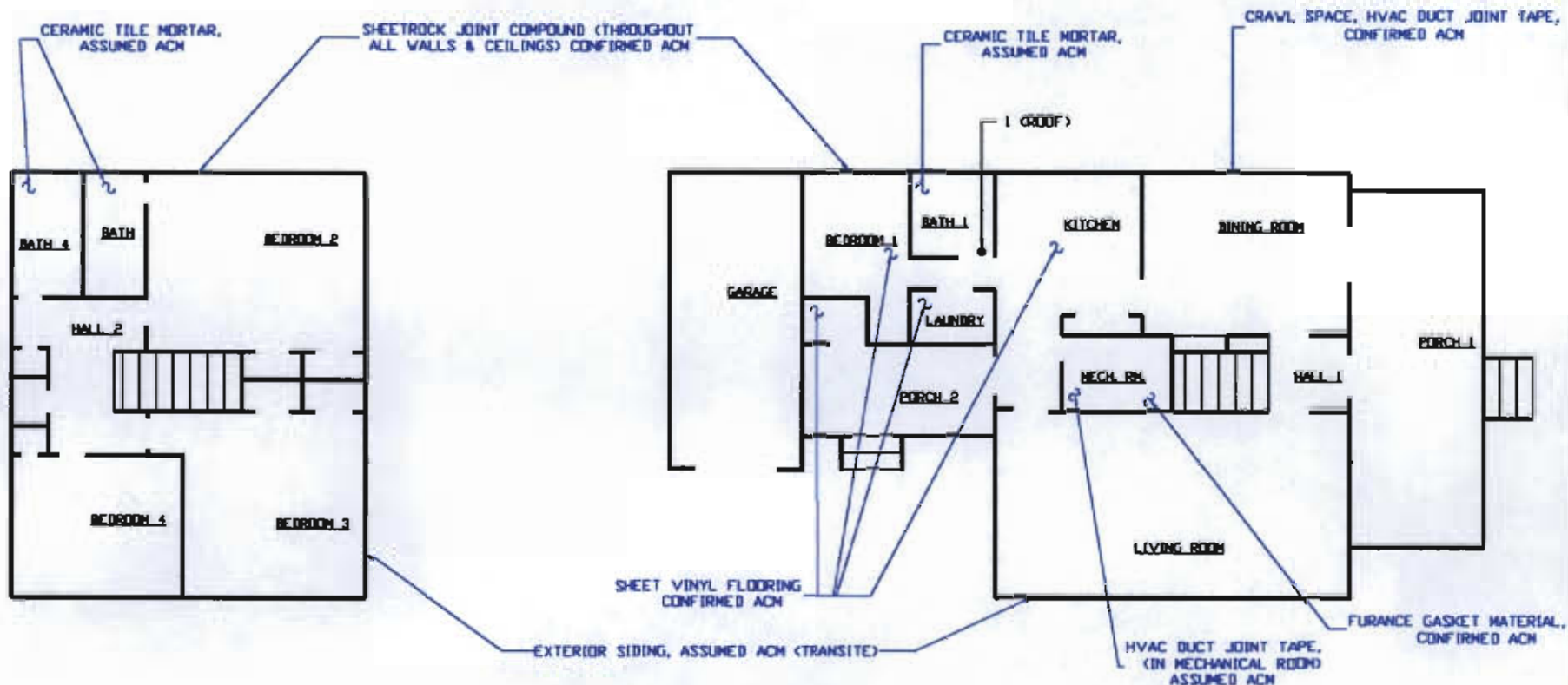
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1350 AVENUE H
QUARTERS J J
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- xx - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan (Type HD-23)
1350 AVE. "H" QUARTERS (JJ)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1350

**1351 AVENUE G
QUARTERS L L
PLAN HD-23**

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

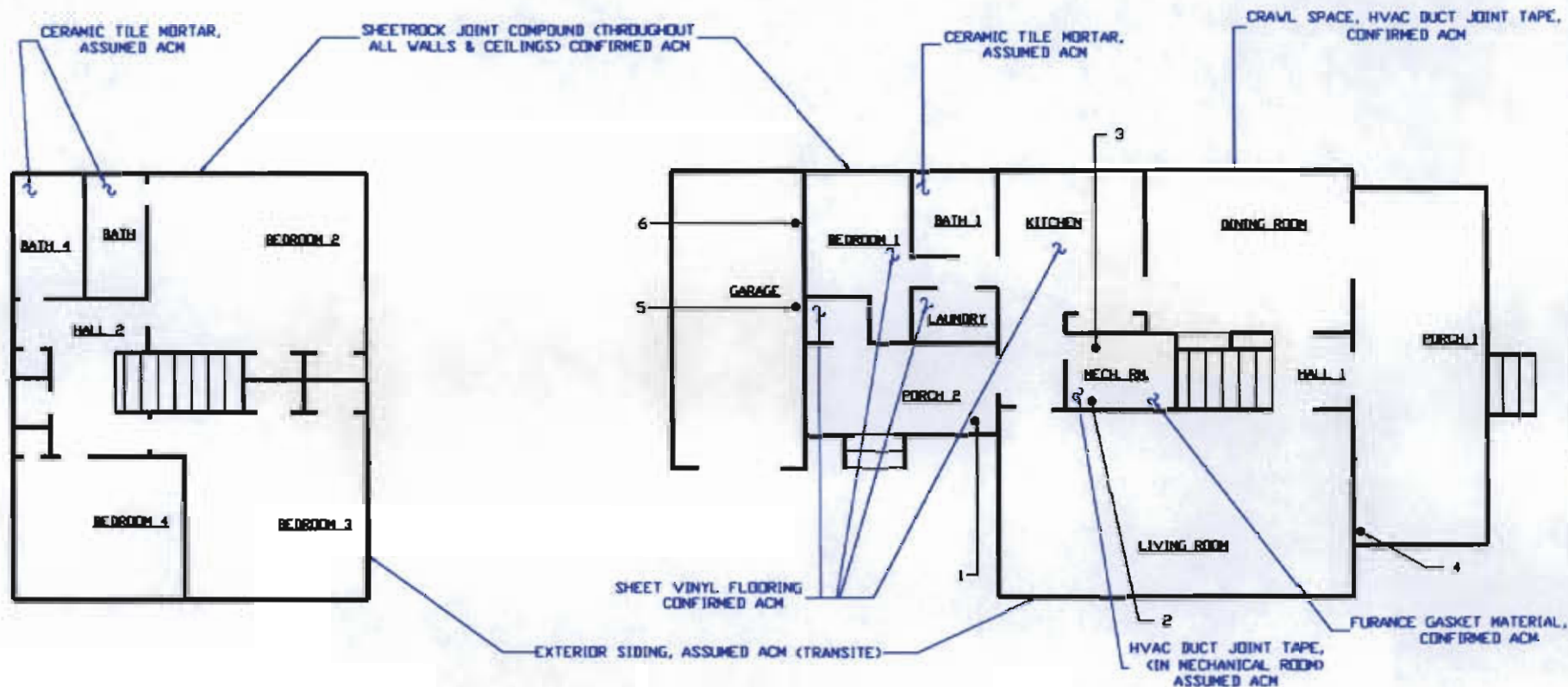
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1351 AVENUE G
QUARTERS L L
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	G	0	O & M	
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SECOND FLOOR

FIRST FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan (Type HD-23)
1351 AVE. "G" QUARTERS (LL)
Charleston Naval Base
Charleston, SC

DWG DATE: 28 JAN 98 DWG NAME: ASB 1351

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1445 HOBSON AVENUE
QUARTERS X
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 Sq. Ft.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • approx. 2 sq. ft. flaking or peeling paint / wall covering in various rooms <p>See General Note 1</p>
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO	SHEET VINYL FLOORING, bedroom 1, porch 2 closet	100 Sq. Ft.	8	YES only where damaged	G	1	REPAIR O & M	damage in porch 2 closet and bedroom 1
1445-HOBSON-11 1445-HOBSON-22	N Y	SHEET VINYL FLOORING kitchen, hall, laundry, closets	108 Sq. Ft.	8	0	G	0	O & M	

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ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

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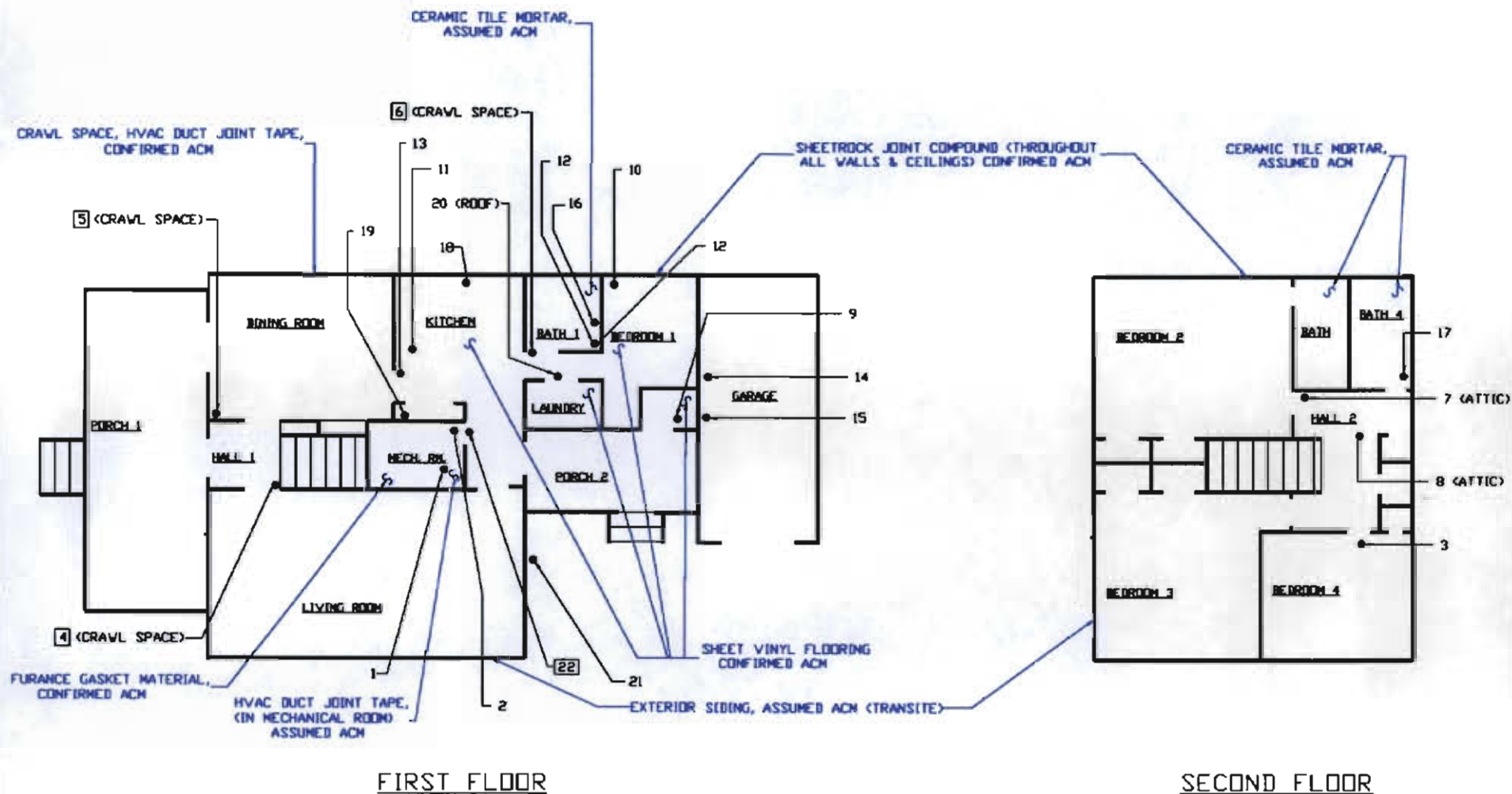
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1445 HOBSON AVENUE
QUARTERS X
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* See General Note 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 Sq. Ft.	8	NO	GOOD	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	GOOD	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 Sq. Ft.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged , O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1455 HOBSON AVENUE
QUARTERS W
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 SQ. FT.	6	YES, ONLY WHERE DAMAGED	G	< 1	REPAIR O & M	<ul style="list-style-type: none"> • damage in mech rm. - 1 sq. ft. • damage in upstairs bedroom closets 1 sq. ft. • approx. 2 sq. ft. flaking or peeling paint / wall covering in various rooms SEE GENERAL NOTE # 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO NO	SHEET VINYL FLOORING, bedroom 1, porch 2 closet	100 SQ. FT.	6	YES only where damaged	G	1	REPAIR O & M	damage in porch 2 closet and bedroom 1
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* see general note # 3
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 SQ. FT.	8	NO	G	0	O & M	

continued on next page

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged , O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

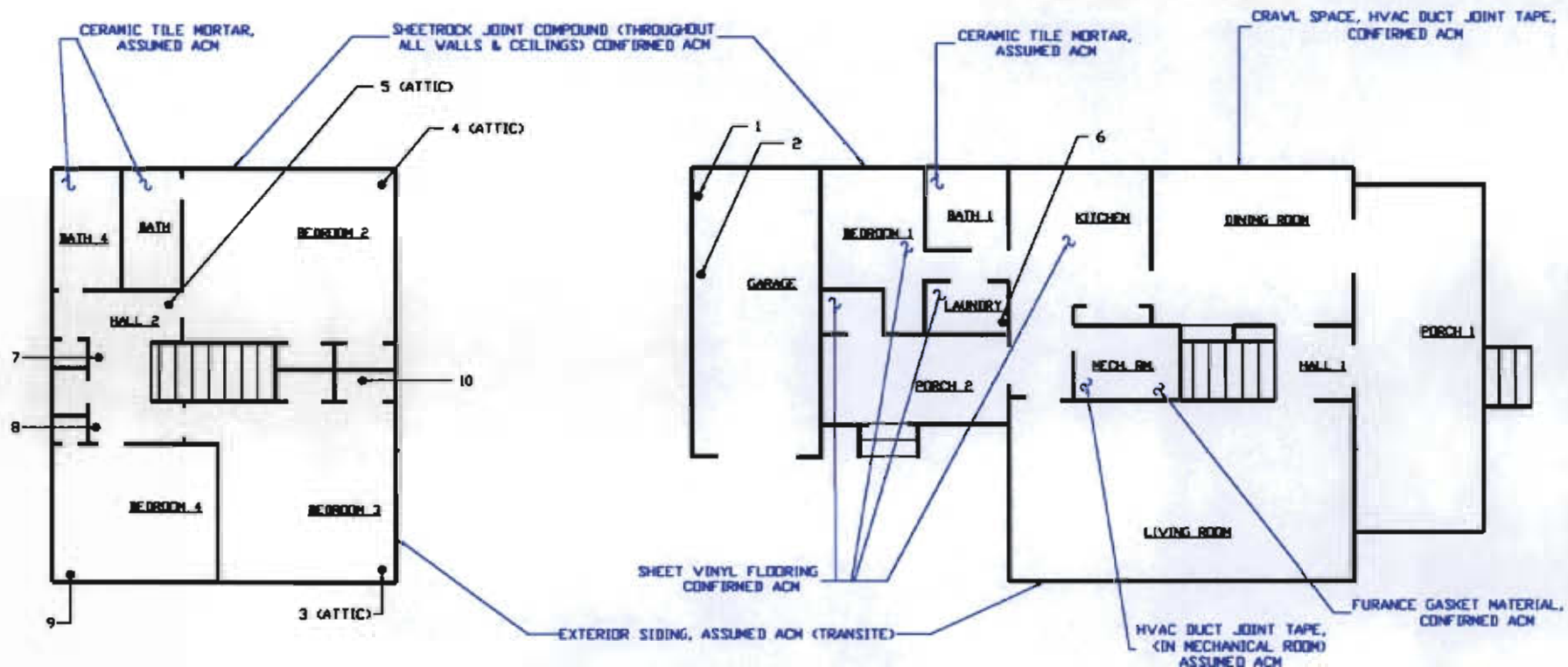
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**ASBESTOS SURVEY
 BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
 HOUSING**

**1455 HOBSON AVENUE
 QUARTERS W
 PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	G	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
NONE	A	EXTERIOR SIDING WITHIN PORCHES	289 SQ. FT.	8	NO	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1455 HOBSON AVE. QUARTERS (W)
Charleston Naval Base
Charleston, SC

DWG DATE: 27 JAN 98 DWG NAME: ASB 1455

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1575 HOBSON AVENUE
QUARTERS D
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1288-H-1 1445-HOBSON-4 1445-HOBSON-5 1445-HOBSON-6	YES YES YES YES	DUCT JOINT TAPE , on hvac duct joints in crawl space	APPROX. 35 DUCT JOINTS, VARIOUS SIZES - 6in. to 24in.	4	YES	SD	50	REMOVE OR REPAIR	
761-COMM-3 761-COMM-7 761-COMM-8 775-COMM-4 775-COMM-8 775-COMM-9 801-COMM-4 1304-H-3 1304-H-4 1345-G-3 1351-G-2 1445-HOBSON-2 1445-HOBSON-3 1455-HOBSON-6 1455-HOBSON-9 1455-HOBSON-10	NO NO NO NO YES NO NO YES YES NO NO NO NO NO NO NO NO	SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	APPROX. 5946 SQ. FT.	6	YES, ONLY WHERE DAMAGED	G	1	REPAIR O & M	<ul style="list-style-type: none"> damage in mech rm. - 3 sq. ft. approx. 50 sq. ft. flaking or peeling paint / wall covering in various rooms SEE GENERAL NOTE # 1
761-COMM-1 801-COMM-3 804-MARINE-3 1293-G-1 1345-G-4 1345-G-5 1445-HOBSON-9 1445-HOBSON-10	NO NO NO YES NO NO NO NO NO	SHEET VINYL FLOORING, kitchen, bedroom l, hall, closets, laundry	250 SQ. FT.	8	NO	G	0	O & M	
761-COMM-2 804-MARINE-4 1305-G-1	YES YES YES	SHEET VINYL FLOORING, porch closet	12 SQ. FT.	8	NO	G	0	O & M	
1305-G-2	YES	FURNACE , gasket material	*	*	*	*	*	O & M	* see general note # 3

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ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged,
G = Good, D = Damaged, SD = Significantly Damaged , O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

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**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

**1575 HOBSON AVENUE
QUARTERS D
PLAN HD-23**

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, all bathrooms	375 SQ. FT.	8	NO	GOOD	0	O & M	
ASSUMED	A	DUCT JOINT TAPE, mech rm.	30 DUCT JOINTS,	8	NO	GOOD	0	O & M	previously repaired / encapsulated
ASSUMED	A	EXTERIOR SIDING, TRANSITE	*	*	*	*	*	*	* assessment not required on exterior materials
ASSUMED	A	EXTERIOR SIDING WITHIN PORCHES	289 SQ. FT.	8	NO	GOOD	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

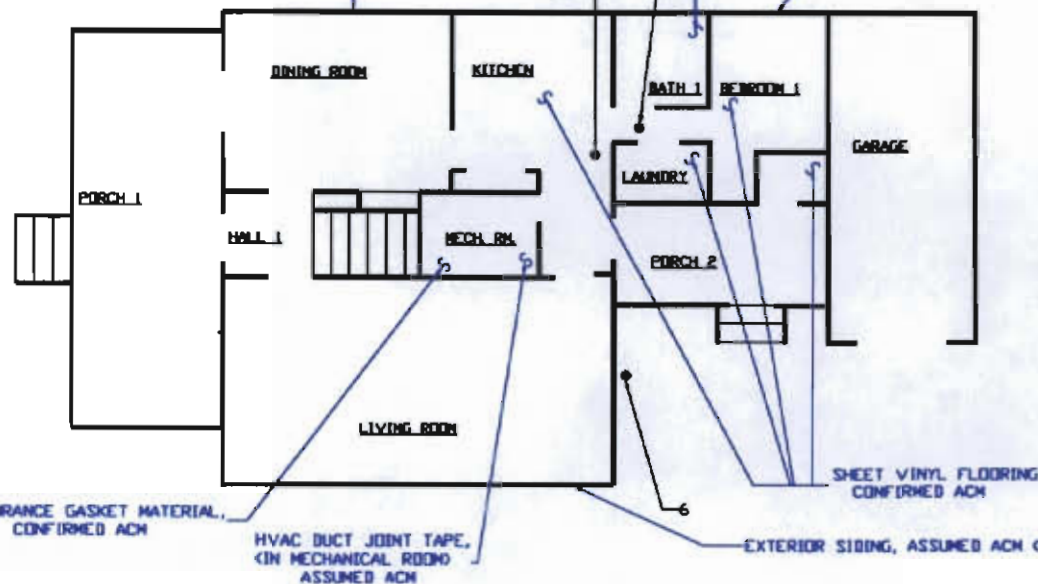
CRAWL SPACE, HVAC DUCT JOINT TAPE,
CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

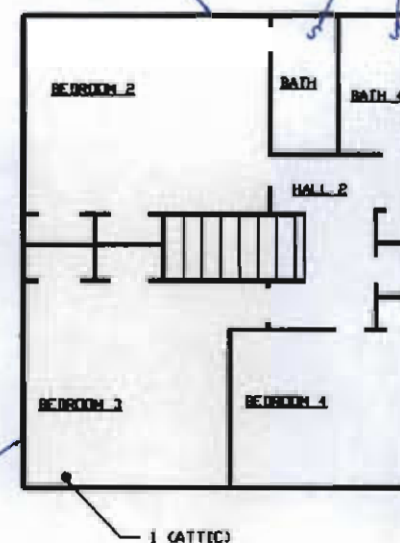
SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

2 (ROOF)
3, 4, 5
(CRAWL SPACE)



FIRST FLOOR



SECOND FLOOR

LEGEND

- - SAMPLE LOCATION
- [XX] - TESTED POSITIVE FOR ASBESTOS
- XX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan (Type HD-23)
1575 HOBSON AVE. QUARTERS (D)
Charleston Naval Base
Charleston, SC

DWG DATE: 27 JAN 98 DWG NAME: ASB 1575

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 761 COMMISSARY ✓ Date: 4/16/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Royce Charpia DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Royce Charpia PHONE NO. 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-17-97

Relinquished by ROYCE CHARPIA Date 4-17-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
761 COMM -1		FLOYER / FLOOR COVERING	NONE	WAC
761 COMM -2		FLOYER / FLOOR COVERING - 2ND LAYER	CHRY/SOTILE	WAC
761 COMM -3		1ST FLR BEDROOM / SHEETROCK	NONE	WAC
761 COMM -4		2ND FLOOR BATHROOM / WALL COVERING	NONE	WAC

Analyst(s) WAC Date 4-28-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 761 COMM Date: 6/4/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21656 EXPIRATION DATE 8/20/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS. NAME JAMES LEWIS PHONE NO 743-6482 Ext. 230 139

Relinquished to W.E. Hilly Date 6/5/97

Relinquished by R. J. L. Date 6/5/97

Logged in by V Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
(WB-1) 761 COMM 5		WALL BOARD UNDER CHAIR RAIL LIVING ROOM	NONE	WJL
(WB-1) 6		↓ DINING ROOM	NONE	WJL
(SR-1) 7		SHEETROCK/PUTTY/TAPE CLOSET IN KITCHEN	NONE	WJL
(SR-1) 8		↓ BEDRM #4 CLOSET	NONE	WJL
(WC-1) 9		WALL COVERING OVER DOOR TO WHITE ROUGH FINISH BEDRM #3	NONE	WJL
WC-1 10		↓ BEDRM #3	NONE	WJL

Analyst(s) W. J. Lewis Date 6-6-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) **Envir. Eng. & Remediation Detachment** Building **775 COMMISSARY** Date: **4/16/97**
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR **Royce Charpia** DHEC LICENSE NO **21680** EXPIRATION DATE **8/21/97**

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME **Royce Charpia** PHONE NO. **743-6482 Ext. 230**

Relinquished to *Jimmy I. Smith* Date **4-17-97**

Relinquished by **ROYCE CHARPIA** Date **4-17-97**

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
775 COMM -1		GARAGE / SHEET ROCK	NONE	WR
775 COMM -2		GARAGE / SHEET ROCK	NONE	WR
775 COMM -3		KITCHEN / WALL COVERING	NONE	WR
775 COMM -4		1ST FLOOR STAIRS / SHEET ROCK	NONE	WR

Analyst(s) *[Signature]* Date **4-29-97**

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 775 COMM Date: 6/4/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/24/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS: NAME Bruce Murray PHONE NO 743-6482 Ext 230 234
Reverie Charlesta

Relinquished to W E Hix Date 6/5/97

Relinquished by Bruce Murray Date 6/5/97

Logged in by ✓ Date

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
(S-1) 775 COMM 5		FIRE PROOF SHEETMOLD IN GARAGE	NONE	WJR
(WD-1) 6		WALLBOARD UNDER CHAIR RAIL IN LIVING ROOM	NONE	WJR
(WB-1) 7		WALLBOARD UNDER CHAIR RAIL IN LIVING ROOM	NONE	WJR
(SR-1) 8		SHEET ROCK PUTTY / TAPE CLOSET UPSTAIRS	CHRY/SOTILE	WJR
(SR-1) 9		SHEET ROCK / PUTTY / TAPE CLOSET IN DOWN STAIR BEDRM	NONE	WJR
WC-1 10		WALL COVERING WHITE ROUGH FINISH BEDRM # 3 (PATTY) BACK SIDE →	CHRY/SOTILE	WJR
(WC-1) 11		BEDRM # 2 (SR) (PATTY) BACK SIDE →	CHRY/SOTILE	WJR

Analyst(s) W E Hix Date 6-6-97

Analyst(s) Date

Results Logged Date

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

Building 801 ~~775~~ COMMISSARY

Date: 4/16/97

INSPECTOR Royce Charpia DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO. 743-6482 Ext 230

Relinquished to *James J. Smith* Date 4-17-97

Relinquished by ROYCE CHARPIA Date 4-17-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>801 COMM -1</u>		<u>KITCHEN/ WALL COVERING</u> <u>WALL PAPER (WPI)</u>	<u>NONE</u>	<u>WAC</u>
<u>801 COMM -2</u>		<u>LIVING ROOM / WALL BOARD</u> <u>(WBI)</u>	<u>NONE</u>	<u>WAC</u>
<u>801 COMM -3</u>		<u>FOYER / FLOOR COVERING</u> <u>(VFI)</u>	<u>NONE</u>	<u>WAC</u>
<u>801 COMM -4</u>		<u>2ND BED ROOM / SHEET ROCK</u> <u>(SRI)</u>	<u>NONE</u>	<u>WAC</u>
<u>801 COMM -5</u>		<u>2ND FLOOR BATH / WALL COVERING</u> <u>(WPI)</u>	<u>NONE</u>	<u>WAC</u>
<u>801 COMM -6</u>		<u>GARAGE / SHEET ROCK</u> <u>(SI)</u>	<u>NONE</u>	<u>WAC</u>

Analyst(s)

Date

4-29-97

Analyst(s)

Date

Results Logged

Date

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 301 COMM Date 6/4/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR ~~BRUCE MURPHY~~ DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME JAMES LEWIS PHONE NO 743-6482 Ext. 230-139
Royce Charnia

Reinquished to W.E. May Date 6/5/97

Reinquished by Ron J. May Date 6/5/97

Logged in by ✓ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
301 COMM		WALL COVERING WHITE ROUGH FINISH 2ND FLOOR TOP STAIRS	NONE	WR

Analyst(s) W.E. May Date 6-6-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 804 MARINE

Date: 4/18/97

INSPECTOR ROUCE CHAPPA DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO. 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO. 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-21-97

Relinquished by Bruce Murray Date 4/16/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
804-MARINE-1		STAIR TREAD ADHESIVE	NONE	WRC
804-MARINE-2		STAIR TREAD ADHESIVE	NONE	WRC
804-MARINE-3		KITCHEN/LAUNDRY VINYL FLOOR	NONE	WRC
804-MARINE-4		PORCH CLOSET VINYL FLOOR	CRT/BOYLE	WRC

Analyst(s) WRC Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 809 COMMISSTERY Date: 4/17/97

INSPECTOR ROCK CHARPIA DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO. 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO. 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-17-97

Relinquished by Bruce Murray Date 4/17/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
809-COM-1A	-	BATHROOM #1 CAULK (CI)	NONE	J.J.S.
809-COM-2A	-	BATHROOM #3 CAULK (C)	NONE	J.J.S.
809-COM-3A	-	BATHROOM #3 WALL PAPER (WP)	NONE	J.J.S.

Analyst(s) James J. Smith Date 4/29/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 809 COMMISARY

Date: 6/4/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

INSPECTOR BRUCE MURPHY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME BRUCE MURPHY PHONE NO 743-6482 Ext. 234
~~Royce Charola~~

Relinquished to WE May Date 6/5/97

Relinquished by Randy Date 6/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
809 -COM -4A	—	WALL BOARD (BELOW CHAIR RAIL) DINING ROOM (WBI)	NONE	WR
809 -COM -5A	—	WALL BOARD (BELOW CHAIR RAIL) LIVING ROOM (WBI)	NONE	WR

Analyst(s) WR Date 6.6.97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1285 AVE G Date: 4/17/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Royce CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/10/97

INSPECTOR Bruce MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/10/97

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to Jimmy J. Smith Date 4-17-97

Relinquished by Bruce Murray Date 4/17/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1285-G-1	—	GARAGE INTERIOR SHEATHING (SI)	NONE	WJR
1285-G-2	—	BATHROOM #1 CAULK (CI)	NONE	WJR
1285-G-3	—	BATHROOM #1 KITCHEN, CAULK (CI)	NONE	WJR
1285-G-4	—	BATHROOM #4 CAULK	NONE	WJR

Analyst(s) WJR Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 1288 AVE H Date: 4/22/97

INSPECTOR Royce Champia DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR Bruce Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME Bruce Murray PHONE NO 743-6482 Ext 230 743-9413

Relinquished to Kathy D. Bailey Date 4/22/97

Relinquished by Bruce Murray Date 4/22/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSII No	Location/Description	Asbestos Type (or None)	Analyst Initials
1288 H-1 97-212		CRAWL SPACE DUCT JOINT TAPE (ASTI)	Chrysotile	SMR
1288 H-2 97-213		KITCHEN Broom Closet DUCT JOINT TAPE	no asbestos detected.	SMR

Analyst(s) SMR Date 4-24-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

Called results to Royce Champia 4-24-97
& FAXed

North Charleston, South Carolina 29405-2106

INSPECTOR Bruce MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-99

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Laura Mearns PHONE NO Ext. 234

Reinquished to W. E. May Date 1/16/98

Relinquished by Kenn D. Long Date 1-16-98

Logged in by Date

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

[illegible]

Analyst(s) W.E May Date 1/16/98

Analyst(s) _____ Date _____

Results Logged	Date
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**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1293 AVE G

Date 4/17/97

INSPECTOR ROYCE CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to Jimmy J. Smith Date 4/17/97

Relinquished by Bruce Murray Date 4/17/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1293-G-1	—	FLOOR CLOSET VINYL FLOORING (VFI)	CHRYDOTILE	WJR
1293-G-2	—	CAULK, BATHROOM #1 (CI)	NONE	WJR
1293-G-3	—	CAULK, BATHROOM #4 (CI)	NONE	WJR
1293-G-4	—	WALLPAPER (WPI) KITCHEN	NONE	WJR
1293-G-5	—	WALLPAPER (WPI) BATHROOM 1	NONE	WJR
1293-G-6	—	GAZE INTERIOR S-BATHING (PAINTED) SI	NONE	WJR

Analyst(s) [Signature] Date 4-29-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1294 "H" Date 4/18/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE M. RAY - / ROYCE CHARITA PHONE NO 743-6482 Ext 230

Relinquished to James Lewis Date 4-21-97

Relinquished by James Lewis Date 4-21-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1294 "H" 1		WALL BOARD UPSTAIR BEDROOM NO 2 BELOW CHAIR RAIL	NONE	WAC
1294 "H" 2		WALL BOARD UPSTAIR HALL JUST INSIDE BATH 4 BELOW CHAIR RAIL	NONE	WAC

Analyst(s) [Signature] Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1304 AVE 'H' Date: 6/6/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/23/07

INSPECTOR RODNEY MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME James Lewis PHONE NO 743-6482 Ext. 230 139

Relinquished to W. S. May Date 6/5/97

Relinquished by Rodney Murray Date 6/5/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1304 H 1		WALLBOARD UNDER CHAIR RAIL LIVING ROOM	NONE	WJR
2		↓ UPSTAIRS MASTER BEDRM	NONE	WJR
3		SHEETROCK/PUTTY TAPE ↓ CLOSET	CITRYSOTILE	WJR
4		↓ CLOSET OUTSIDE BATH	CITRYSOTILE	WJR
5		WALL COVERINGS BED ROOM # ROUGH FINISH	NONE	WJR
6		↓ BED ROOM #	NONE	WJR

Analyst(s) WJR Date 6-6-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1305 AVE G Date 4-17-97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR ROYCE CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS. NAME ROYCE CHARPIA PHONE NO 743-6482 Ext. 230-139

Relinquished to James I. Smith Date 4-17-97

Relinquished by James I. Smith Date 4/17/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1305 AVE - 1		GE FLOOR COVER IN CLOSET ON PORCH # 2	CITRYSOTILE	WAL
-2		MECH ROOM FURNACE GASKET MATERIAL	CITRYSOTILE	WAL

Analyst(s) W. J. Smith Date 4-28-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 1310 AVE H Date. 4/18/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R CHAPPA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO 743-6482 Ext. 230
Royce Chappa

Relinquished to James J. Smith Date 4-21-97

Relinquished by James J. Smith Date 4-21-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1310-H-1		KITCHEN VINYL FLOOR	NONE	WJC
1310-H-2		KITCHEN VINYL FLOOR	NONE	WJC

Analyst(s) WJC Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

Building

1310 Ave 11

Date:

4/22/97

INSPECTOR

Royce Charnia

DHEC LICENSE NO

21680

EXPIRATION DATE

8/21/97

INSPECTOR

Bruce Murray

DHEC LICENSE NO

21687

EXPIRATION DATE

8/10/97

NOTIFY OF RESULTS NAME

~~Royce Charnia~~ Bruce Murray

PHONE NO

743-6482 Ext. 230743-9413

FAX

Relinquished to

Kathy D Bailey

Date

4/22/97

Relinquished by

Bruce Murray

Date

4/22/97

Logged in by

Date

V

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSHA No	Location/Description	Asbestos Type (or None)	Analyst Initials
1310H-3 97-210		CRAWL SPACE, INSULATION MATERIAL (LYING ON GROUND)	No asbestos detected.	EMR
1310-H4 97-211		ROOF, SHINGLE (RED ROOF, OLD)	No asbestos detected.	EMR

Analyst(s)

Royce Charnia

Date

4-24-97

Called to Royce Charnia 4-24-97 & FAXed

Analyst(s)

Date

Results Logged

Date

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1310 AVE H Date: 1-15-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO EXT. 234

Relinquished to W.E. May Date 1/16/98

Relinquished by B. S. [Signature] Date 1-16-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH Room No	Location/Description	Asbestos Type (or None)	Analyst Initials
1310-H-5	5	SHEET VINYL FLOORING - MULTIPLE LAYERS w/MASTIC	CHRYSO TILE	WEM
1310-H-6	6	EXTERIOR WINDOW GLAZING	NONE	WEM

Analyst(s) W.E. May Date 1/16/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1311 AVE "G" Date 4-17-97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR ROUCE CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR Rouce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97
JAMES LEWIS JIM LEWIS 21686 8/20/97

NOTIFY OF RESULTS NAME Rouce Charpia PHONE NO 743-6482 Ext. 220-139

Relinquished to James J. Smith Date 4-17-97

Relinquished by James Lewis Date 4-17-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1311 AVE -1</u>		<u>FLOOR COVER IN CLOSET ON PORCH</u>	<u>CHRYSO TILE</u>	<u>WJR</u>
<u>-2</u>		<u>FLOOR COVER IN KITCHEN</u> <u>SAMPLE TAKEN AT DOOR GOING TO FRONT PORCH</u>	<u>NONE</u>	<u>WJR</u>
<u>-3</u>		<u>WALL PAPER IN BATH IN</u> <u>MASTER BEDROOM (LIGHT FIXTURE)</u>	<u>NONE</u>	<u>WJR</u>
<u>-4</u>		<u>DUCT INSUL IN MECH ROOM</u>	<u>NONE</u>	<u>WJR</u>
<u>-5</u>		<u>FLOOR COVER IN KITCHEN AT</u> <u>CLOSET DOOR ACROSS FROM BATH</u>	<u>NONE</u>	<u>WJR</u>

Analyst(s) WJR Date 4-28-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1311 AVENUE G Date 1-15-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21637 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME BRUCE MURRAY PHONE NO ext 234

Relinquished to W. E. May Date 1/16/98

Relinquished by [Signature] Date 1-16-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1311-G-6		SHEET VINYL FLOORING KITCHEN MULTIPLE LAYERS <u>Bergo marble</u> <u>tile</u>	CHALSYTILE	WEM
1311-G-7		EXTERIOR WINDOW GLAZING	NONE	WEM

Analyst(s) W. E. May Date 1/16/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1345 AVE "G" Date 4/14/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Royce Charpia DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to James J. Smith Date 4-16-97

Relinquished by R. Charpia Date 4/16/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>1345 AVE "G"</u> <u>1</u>		<u>WALL BOARD IN GARAGE</u>	<u>NONE</u>	<u>WR</u>
<u>1345 AVE "G"</u> <u>2</u>		<u>PARTICULAR BOARD</u>	<u>NONE</u>	<u>WR</u>
<u>1345 AVE "G"</u> <u>3</u>		<u>SHEET ROCK MELT ROOM</u>	<u>NONE</u>	<u>WR</u>
<u>1345 AVE "G"</u> <u>4</u>		<u>FLOOR COVER + MASTIC IN LAUNDRY</u>	<u>NONE</u>	<u>WR</u>
<u>1345 AVE "G"</u> <u>5</u>		<u>FLOOR COVERING IN BEDROOM 1</u>	<u>NONE</u>	<u>WR</u>

Analyst(s) [Signature] Date 4-29-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1345 Ave G Date: 1-16-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21681 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Bruce Murray PHONE NO EX 1234

Relinquished to W.E. May Date 1/16/98

Relinquished by B. D. Ly Date 1-16-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1345-G 1345-G -6		EXTERIOR WINDOW GLAZING	None	WEM

Analyst(s) W.E. May Date 1/16/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) **Envir. Eng. & Remediation Detachment** Building 1350 Ave H Date 4/18/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR R. CHARPIT DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS. NAME BRUCE M. PRAV PHONE NO 743-6482 Ext. 230
Royce Charpit

Relinquished to James A. Smith Date 4-21-97

Relinquished by James Lewis Date 4-21-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1350-H-1		ROOF, SHINGLE	NONE	JA

Analyst(s) James A. Smith Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment**
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1351 "AVE" G Date: 4-16/97

INSPECTOR Royce Charpia DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to Jimmy J. Smith Date 4-16-97

Relinquished by R. Charpia Date 4-16-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description <i>CARPET</i>	Asbestos Type (or None)	Analyst Initials
1351 AVE 'G' 1		MASTIC / FOR OUTDOOR CARPET PORCH NO. 2	NONE	WR
1351 AVE 'G' 2		SHEETROCK, TAPE AND IN MELT ROOM	NONE	WR
1351 AVE 'G' 3		DUCT TAPE IN MELT ROOM	NONE	WR
1351 AVE 'G' 4		CARPET + MASTIC PORCH 1	NONE	WR
1351 AVE 'G' 5		PARTICULAR BOARD IN GARAGE PARTICLE	NONE	WR
1351 AVE 'G' 6		GOLD BOND FIRE PROOF BOARD	NONE	WR

Analyst(s) WR Date 4-29-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 1445 HOBSON Date: 4/9/97

INSPECTOR R. CHARITA DHEC LICENSE NO 21680 EXPIRATION DATE 3/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charita PHONE NO 743-6482 Ext. 230

Relinquished to Jimmy J. Smith Date 4/9/97

Relinquished by Sam M. Ly Date 4/9/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1445 HOBSON-1	—	MACHINERY ROOM VENTILATION TSI	NONE	J.J.S.
1445 HOBSON-2	—	SHEETROCK / DRYWALL FROM MACHINERY ROOM WALL	NONE	J.J.S.
1445 HOBSON-3	—	SHEETROCK / DRYWALL FROM 2 nd FLOOR - Bedroom 4 LIGHTSWITCH	NONE	J.J.S.
1445 HOBSON-4	—	UNDER INSULATION FROM 10' DRIP		
1445 HOBSON-5	—	11		
1445 HOBSON-6	—	12		

Analyst(s) Jimmy J. Smith Date 4/10/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment** Building 1445 HOBSON Date: 4/10/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R. CHARPIA DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charnia PHONE NO. 743-6482 Ext 230

Relinquished to Jimmy J. Smith Date 4/10/97

Relinquished by Jimmy J. Smith Date 4/10/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1445 HOBSON-4	-	DUCT INSULATION FROM UNDER HOUSE JOINT TAPE	CHRYSTILE	J.J.S.
1445 HOBSON-5	-		CHRYSTILE	J.J.S.
1445 HOBSON-6	-		CHRYSTILE	J.J.S.
1445 HOBSON-7		INSULATION FROM ATTIC	NONE	J.J.S.
1445 HOBSON-8			NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4-10-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1445 HOBSON Date: 4/15/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR Loice Charnick DHEC LICENSE NO. 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME DAVE MURRAY PHONE NO. 743-6482 Ext 230
Royce Charnick

Relinquished to James A. Smith Date 4-15-97

Relinquished by James A. Smith Date 4/15/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1445 HOBSON-9	—	CLOSET OFF PORCH VINYL FLOORING	NONE	WAL
1445 HOBSON-10	—	BEDROOM #1, VINYL FLOORING	NONE	WAL
1445 HOBSON-11	—	KITCHEN VINYL FLOORING	NONE	WAL
1445 HOBSON-12	—	BATHROOM WALLPAPER (BEHIND HEATING VENT)	NONE	WAL
1445 HOBSON-13	—	KITCHEN WALLPAPER (BEHIND LIGHT SWITCH PLATE)	NONE	WAL
1445 HOBSON-14	—	SHEATHING (FIREPROOF) FROM GARAGE INTERIOR - GOLDBOND BRAND	NONE	WAL
1445 HOBSON-15	—	SHEATHING (FIREPROOF) FROM GARAGE INTERIOR (NON-GOLDBOND)	NONE	WAL
1445 HOBSON-16	—	BATHROOM #1 CAULK	NONE	WAL

Analyst(s) [Signature] Date 4-17-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 1445 Hobson Date: 4/15/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR ROSE CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/2/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME ROSE CHARPIA PHONE NO 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-15-97

Relinquished by James J. Smith Date 4/15/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1445 Hobson-17	—	BATHROOM # 4 CAULK	NONE	WR

Analyst(s) [Signature] Date 4-28-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1445 HOBSON Date: 4/21/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR R. CHARPIA DHEC LICENSE NO: 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Royce Mucart PHONE NO. 743-6482 Ext 230
Royce Charpia

Relinquished to Kathy D. Bailey Date 4/22/97

Relinquished by Rene D. [Signature] Date 4/22/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
97-207 1445 HOBSON - 18		KITCHEN / VINYL FLOOR (VF5)	None detected	JH/H
97-208 1445 HOBSON - 18		KITCHEN BROOM CLOSET DUCT JOINT TAPE	None detected	JH/H
97-209 1445 HOBSON - 19 20		ROOF SHINGLE, GREEN ROOF (GR)	None detected	JH/H

Analyst(s) Jocely Hamilton Date 4/24/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1445 Hobson Ave Date: 1-15-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21637 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO ext. 234

Relinquished to W.E. May Date 1/16/98

Relinquished by B. Murray Date 1-16-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1445 -HOBSON -21		EXTERIOR WINDOW GLAZING	NONE	WEM
1445 -HOBSON -32		SHEET VINYL FLOORING, KITCHEN, MULTIPLE LAYERS <u>Beige Tile</u> →	CHRYSO TILE	WEM

Analyst(s) W.E. May Date 1/16/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1455 Hobson Date 4/4/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R. CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Royce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to Jimmy J. Smith Date 4/9/97

Relinquished by Jim D. [Signature] Date 4/9/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1455 HOBSON-1	—	SHEATHING ON GARAGE WALLS (INTERIOR)	NONE	J.J.S.
1455 HOBSON-2	—	SHEATHING ON GARAGE WALLS (INTERIOR, GOLDEN BRAND)	NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4/10/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1455 HOBSON Date 4/10/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR R. CHARPIA DHEC LICENSE NO 21680 EXPIRATION DATE 8/01/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME IRVINE MURRAY PHONE NO 743-6482 Ext. 230
Royce Chandra

Relinquished to James J. Smith Date 4/10/97

Relinquished by Bruce Murray Date 4/10/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1455 HOBSON-3		ATTIC INSULATION	NONE	J.J.S.
1455 HOBSON-4		ATTIC INSULATION	NONE	J.J.S.
1455 HOBSON-5		ATTIC INSULATION	NONE	J.J.S.

Analyst(s) James J. Smith Date 4/10/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1455 HOBSON

Date: 4/15/97

INSPECTOR R. CHARPIS

DHEC LICENSE NO 21680

EXPIRATION DATE 3/2/97

INSPECTOR _____

DHEC LICENSE NO _____

EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY

Royce Charpiz

PHONE NO. 743-6482 Ext. 230

Relinquished to Jimmy J. Smith

Date 4-16-97

Relinquished by Royce Charpiz

Date 4/16/97

Logged in by _____

Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1455 HOBSON-6	—	MELT ROOM SHEETROCK MUD & TAPE	NONE	WAC
1455 HOBSON-7	—	WALLCOVERING (ROLLED ON) HALLWAY AT TOP OF STAIRS	NONE	WAC
1455 HOBSON-8	—	WALLCOVERING (ROLLED ON) HALLWAY, TOP OF STAIRS ON CHAIR RAIL	NONE	WAC
1455 HOBSON-9	—	BEDROOM #4 SHEETROCK MUD	NONE	WAC
1455 HOBSON-10	—	BEDROOM #3 SHEETROCK	NONE	WAC

Analyst(s) WAC

Date 4-28-97

Analyst(s) _____

Date _____

Results Logged _____

Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) **Envir. Eng. & Remediation Detachment** Bldg. 1575 Hobson Date: 4/30/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME James Lewis PHONE NO 743-2821 ext 139

Relinquished to W. LAUX Date 5-1-97

Relinquished by James Lewis Date 5/1/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1575 Hobson-1		Attic (Gray Insulation)	NONE	WAL
1575 Hobson-2		Roof Material (Green Shingle)	NONE	WAL

Analyst(s)

Date

W. Laux 5-1-97

Analyst(s) Date

Results Logged Date

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

Building 1575 HOBSON AVE Date: 6/20/97

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY
~~Reyes Chardon~~ PHONE NO 743-6482 Ext. 230 234

Relinquished to James J. Smith Date 6-23-97

Relinquished by Bruce Murray Date 6-23-97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1575 HOBSON -3		CRAWL SPACE, LOOSE PIECES OF SHEETROCK	NONE	J.J.S.
1575 HOBSON -4		↓	NONE	J.J.S.
1575 HOBSON -5		↓	NONE	J.J.S.

Analyst(s) James J. Smith Date 6-24-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1575 Hobson Ave Date: 1-16-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-99

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO EXT 234

Relinquished to W.E. May Date 1/16/98

Relinquished by Bruce Murray Date 1-16-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1575 Hobson - 6		EXTERIOR WINDOW GLAZING	None	WEM

Analyst(s) W.E. May Date 1/16/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
TYPE "J" HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

The fourteen units listed below are built to the "J" type floor plan style. The 2J units are 1202 square feet and have two bedrooms. The 3J units are 1269 square feet and have 3 bedrooms. The 4J units are 1653 square feet and have 4 bedrooms. All units are duplexes, combined as listed below. Each unit is built on a concrete slab with brick veneer exterior and asphalt shingled roof. Year of construction is 1963. All units are similar in construction and have materials that are homogeneous to all "J" type units. See individual Building Summary Tables for information on each unit. Also, many of the materials in these houses are of the same homogeneous group as materials in the "S" type houses.

<u>Building No.</u>	<u>Address</u>	<u>Plan Type</u>
769	1303 / 1309 Avenue H	3J
777	1344 / 1352 Avenue G	3J
743	1409 / 1415 Manley Ave.	2J
744	1410 / 1414 Manley Ave.	4J
746	1420 / 1424 Manley Ave.	3J
745	1421 / 1425 Manley Ave.	3J
747	1431 / 1435 Manley Ave.	2J

2. FINDINGS:

Eight homogenous materials were identified as suspect Asbestos Containing Material (ACM). Of the 8 homogeneous materials, **3 were confirmed to contain asbestos, 2 were assumed to contain asbestos**, and 3 are asbestos free.

CONFIRMED ACM

1. SHEETROCK JOINT COMPOUND, walls and ceilings throughout all houses, see General Note 1
2. CEMENTITIOUS PIPE (clothes dryer vent piping), Present in all "J" houses, except 1410 and 1414 Manley.
3. SHEET VINYL FLOORING and MASTIC, in all kitchens and dinette areas.

ASSUMED ACM

1. FLOOR TILE and MASTIC, 12" x 12", in all rooms except bathrooms and kitchens.
2. CERAMIC TILE MORTAR, all bathrooms

ASBESTOS FREE

1. ATTIC INSULATION
2. CAULKING/PUTTY
3. BASEBOARD MASTIC, all rooms except bathrooms

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1303 AVENUE H

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. Note 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

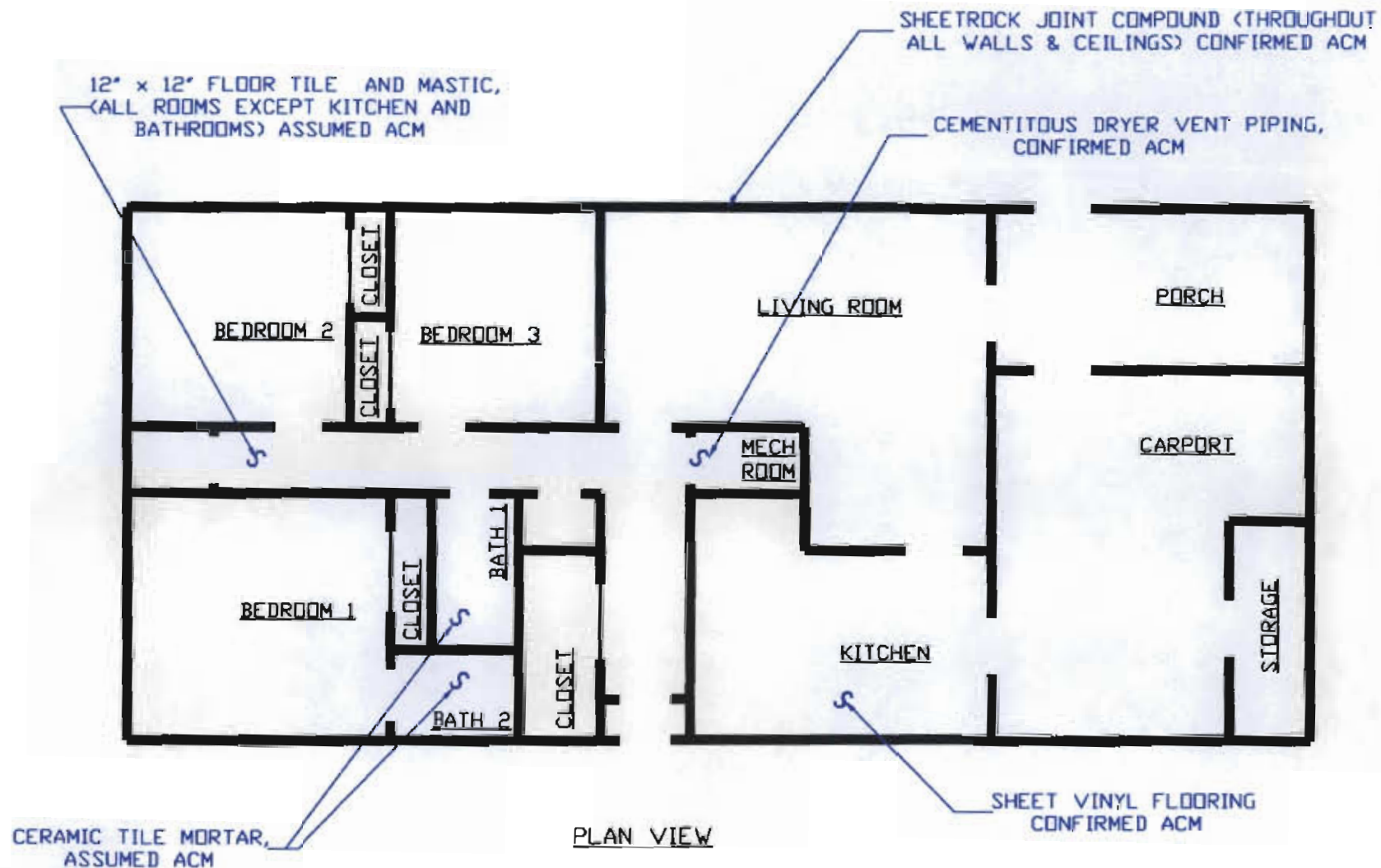
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1303 AVENUE H

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETCHASN
 1899 North Hobson Ave.
 North Charleston, SC
 29405-2106
 Ph. (803) 743-6777

Floor Plan - Type (3J)
 1303 AVENUE "H"
 Charleston Naval Base
 Charleston, SC

DWG DATE: 26 JAN 98 DWG NAME: ASB 1303

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1309 AVENUE H

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

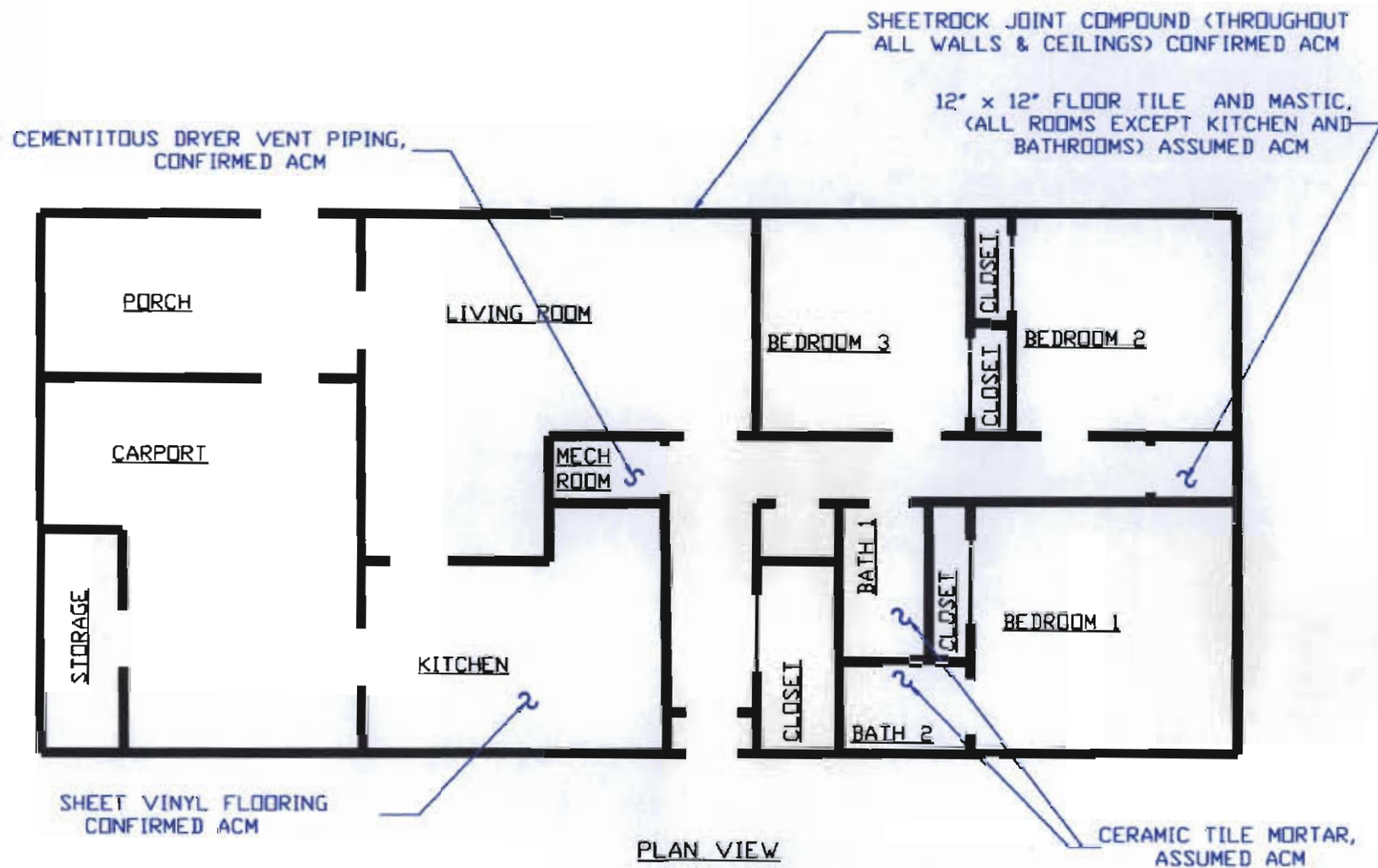
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1309 AVENUE H

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan - Type (3J)
1309 AVENUE "H"
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1309

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1344 AVENUE G

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1344 AVENUE G

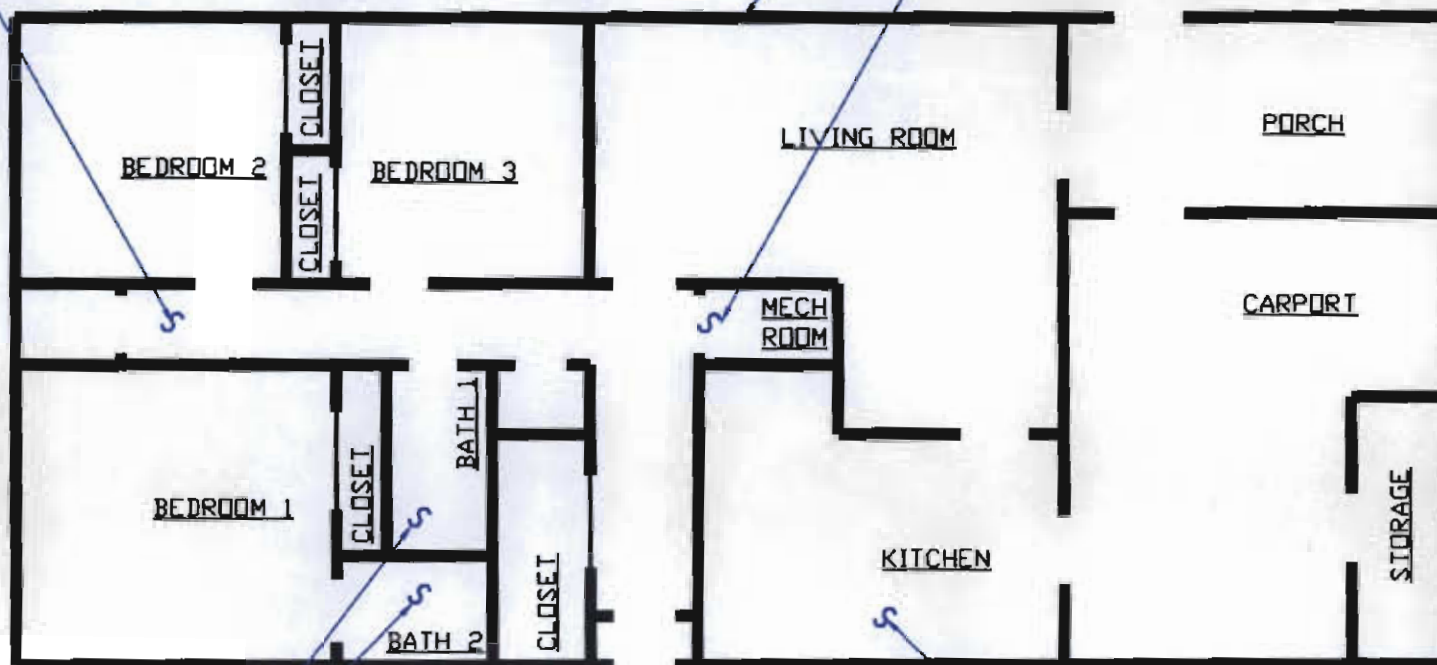
Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

12" x 12" FLOOR TILE AND MASTIC,
(ALL ROOMS EXCEPT KITCHEN AND
BATHROOMS) ASSUMED ACM

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CEMENTITIOUS DRYER VENT PIPING,
CONFIRMED ACM



CERAMIC TILE MORTAR,
ASSUMED ACM

PLAN VIEW

SHEET VINYL FLOORING
CONFIRMED ACM

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (3J)
1344 AVENUE "G"
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1344

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1352 AVENUE G

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2	N	MISC.	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
1409-MANLEY-5	N	SHEETROCK							
1409-MANLEY-9	N	JOINT							
1409-MANLEY-10	N	COMPOUND,							
1409-MANLEY-11	N	walls and							
1409-MANLEY-12	Y	ceilings							
1409-MANLEY-13	Y								
1410-MANLEY-1	N								
1410-MANLEY-6	Y								
1410-MANLEY-11	N								
1410-MANLEY-12	N								
1410-MANLEY-13	N								
1410-MANLEY-14	N								
1410-MANLEY-15	Y								
1410-MANLEY-16	Y								
1410-MANLEY-17	Y								
1414-MANLEY-1	N								
1420-MANLEY-1	Y								
1420-MANLEY-2	N								
1424-MANLEY-1	N								
1424-MANLEY-2	N								
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14	Y	MISC. SHEET	190 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-15	Y	VINYL							
1410-MANLEY-4	Y	FLOORING and							
1410-MANLEY-5	Y	MASTIC, kitchen							

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

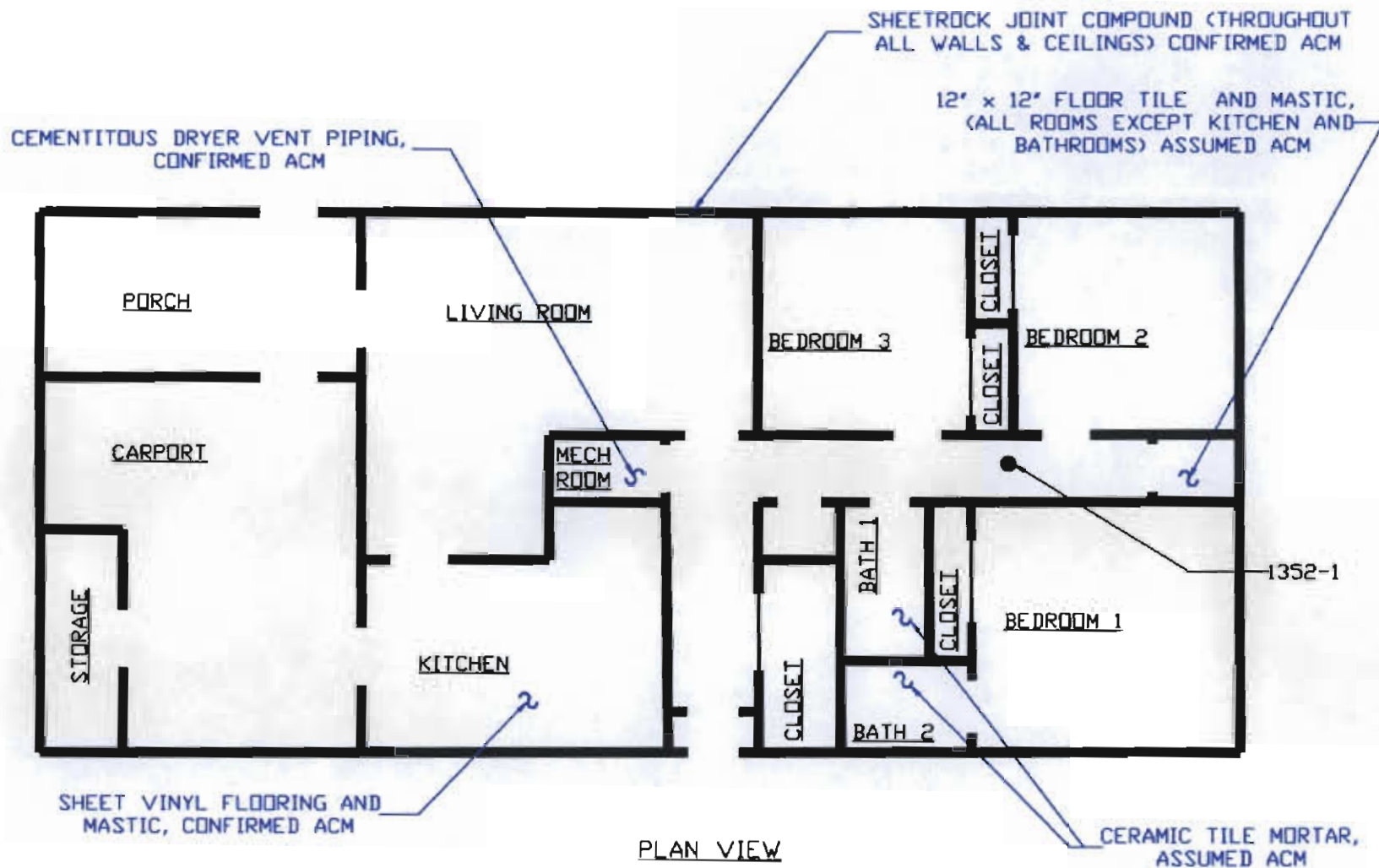
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1352 AVENUE G

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING. CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

● - SAMPLE LOCATION

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (3J)
1352 AVENUE "G"
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1352

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1409 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3300 sq. ft.	6	Y, only where damaged	G	<1	O & M	See Gen. note # 1 2 sq. ft damaged in kitchen at washer/dryer location
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1409 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR, ASSUMED ACM

PORCH

LIVING ROOM 1

BEDROOM 2

BATH 1

12' x 12' FLOOR TILE AND MASTIC, (ALL ROOMS EXCEPT KITCHEN AND BATHROOMS) ASSUMED ACM

CEMENTITIOUS DRYER VENT PIPING, CONFIRMED ACM

MECH ROOM

HALL 1

CLOSET

1408-11
1408-12

1409-7

CARPORT 1

BEDROOM 1

1409-1

KITCHEN

1409-13

SHEET VINYL FLOORING CONFIRMED ACM

1409-14

1409-15

PLAN VIEW

1409-2
1409-3
1409-5
1409-8
1409-9
1409-10

LEGEND

● - SAMPLE LOCATION

XXXXX - TESTED POSITIVE FOR ASBESTOS

XXXXX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (2J)
1409 MANLEY
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1409

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1415 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N N Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3300 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

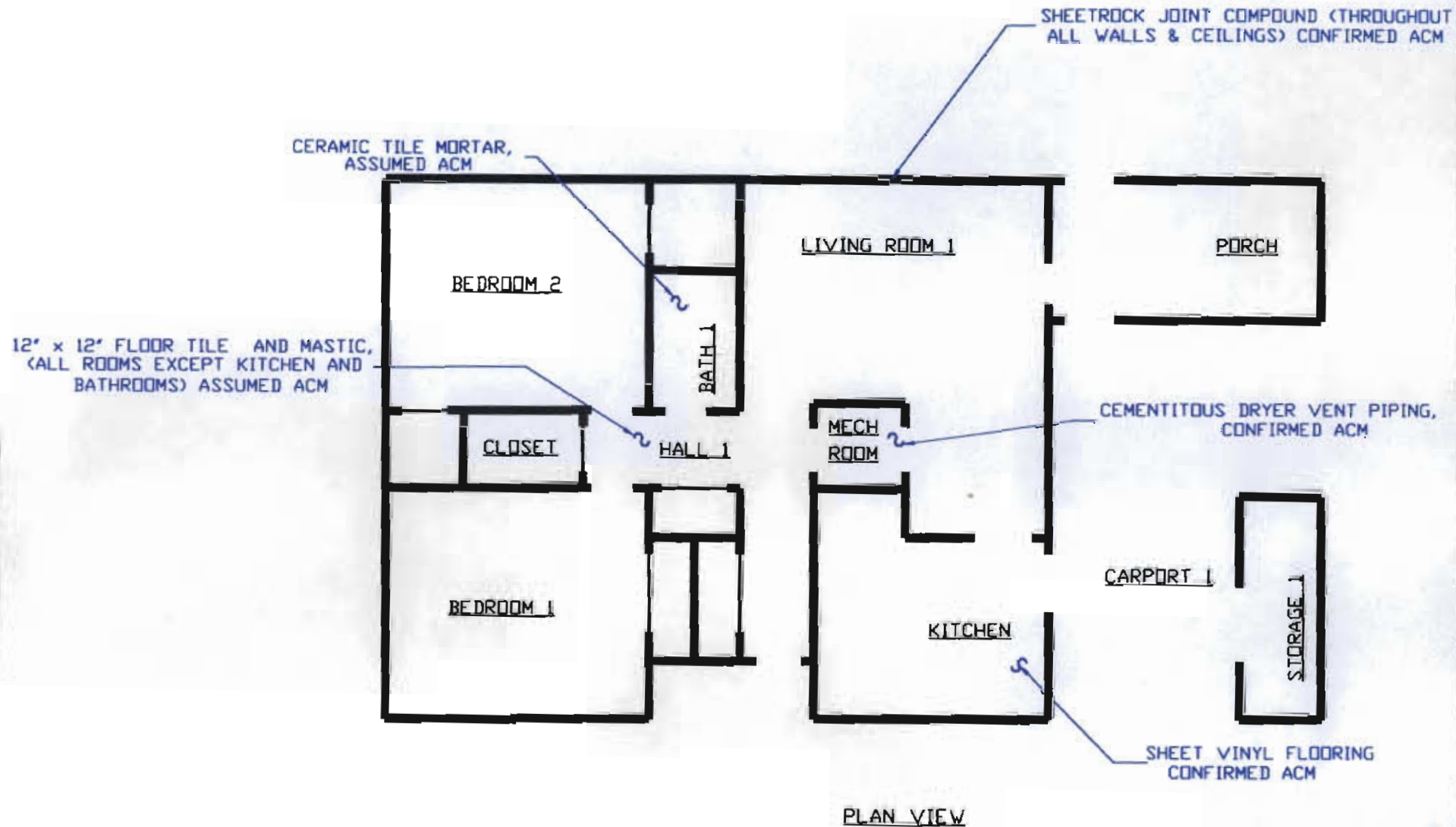
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1415 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (2J)
1415 MANLEY
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1415

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1410 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3900 sq. ft.	6	Y, only where damaged	G	<1	O & M	See Gen. note # 1 Minor damage in hall where approx. 4' section of baseboard is unattached
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1200 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

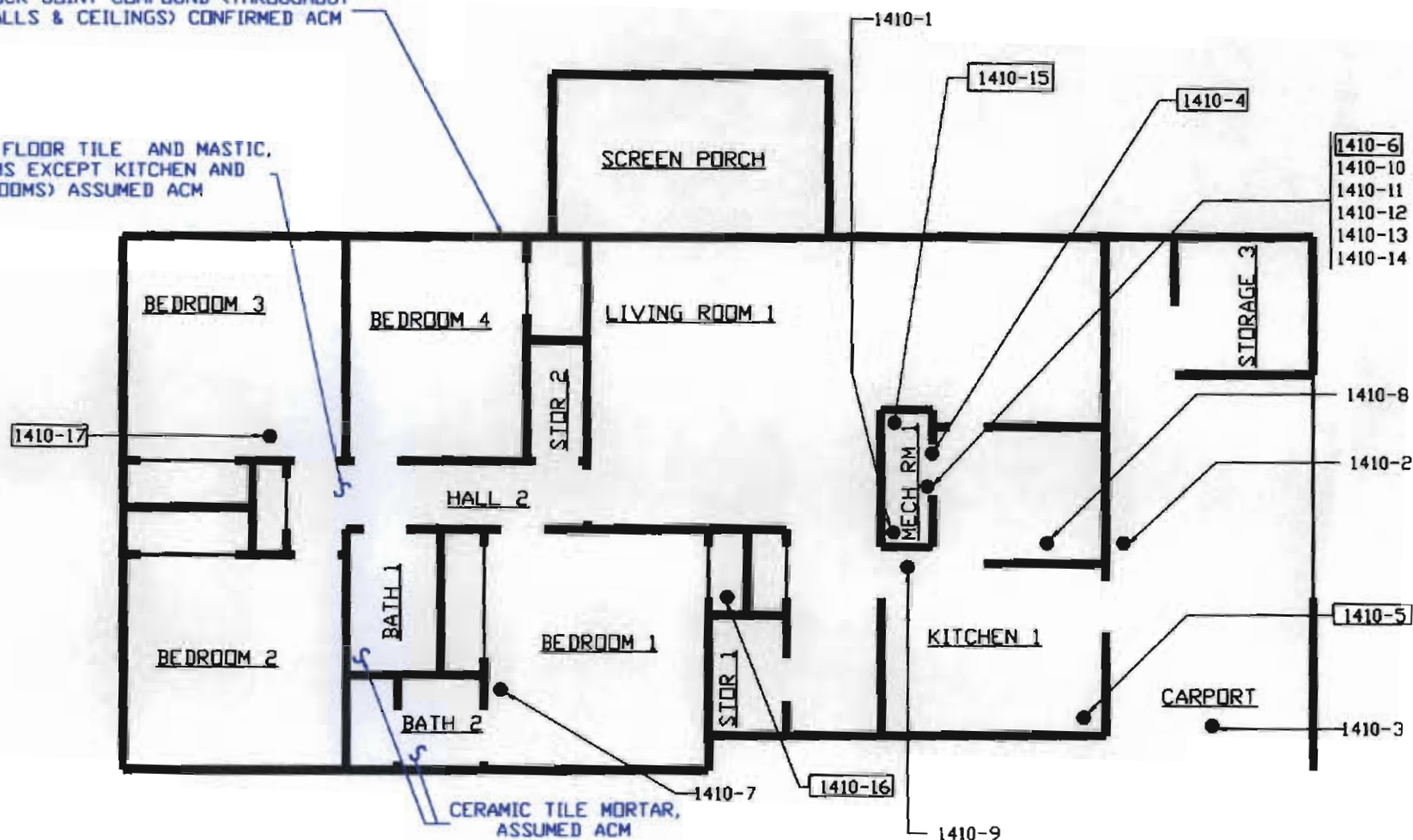
1410 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

12" x 12" FLOOR TILE AND MASTIC, (ALL ROOMS EXCEPT KITCHEN AND BATHROOMS) ASSUMED ACM



PLAN VIEW

LEGEND

● - SAMPLE LOCATION

XXXXX - TESTED POSITIVE FOR ASBESTOS

XXXXX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (4J)
1410 MANLEY AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98 | DWG NAME: ASB 1410

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1414 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3900 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1200 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1414 MANLEY AVENUE

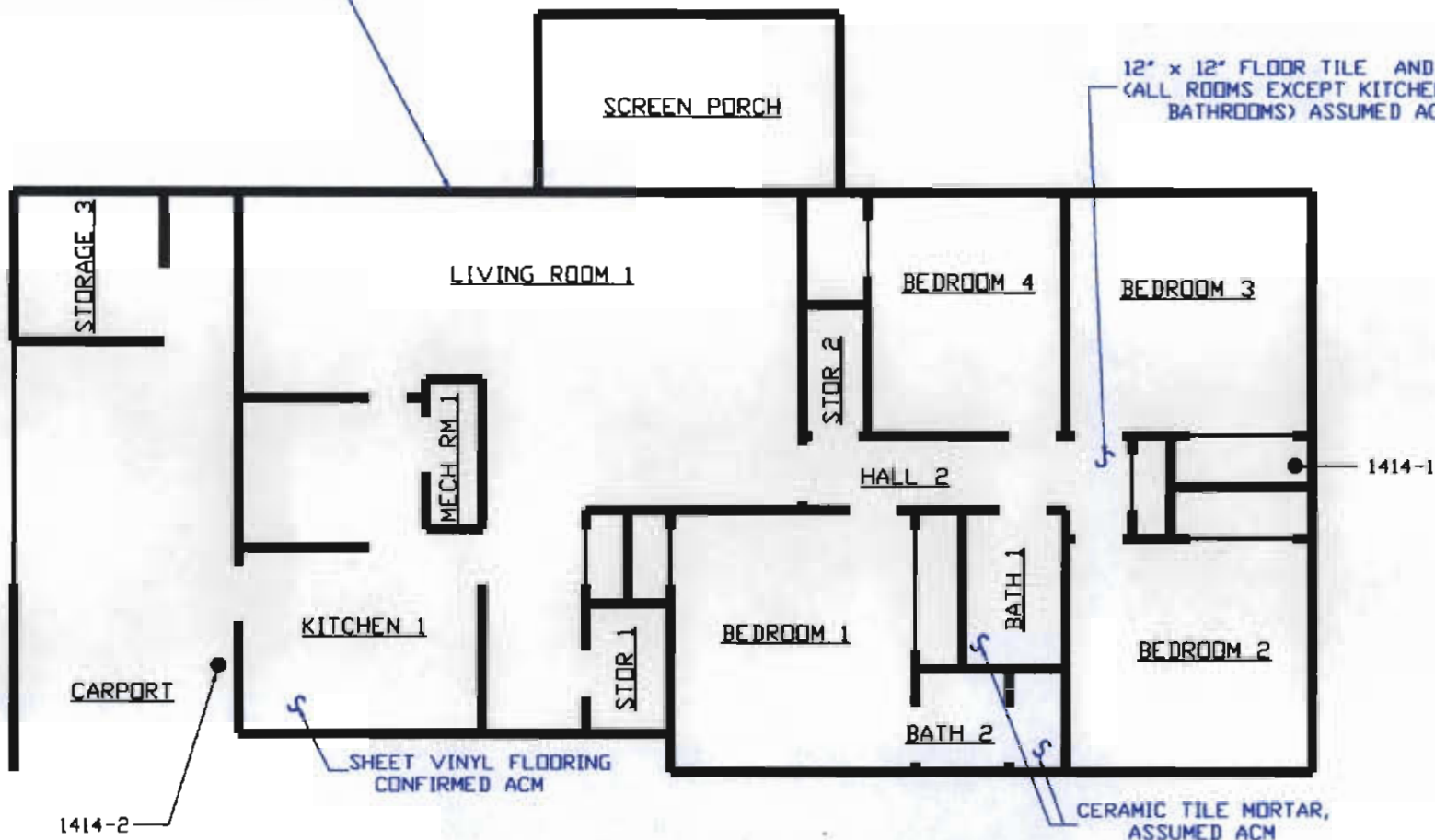
Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

SCREEN PORCH

12" x 12" FLOOR TILE AND MASTIC
(ALL ROOMS EXCEPT KITCHEN AND
BATHROOMS) ASSUMED ACM



PLAN VIEW

LEGEND

- - SAMPLE LOCATION

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan - Type (4J)
1414 MANLEY AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98 | DWG NAME: ASB 1414

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1420 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	6	Y, only where damaged	G	<1	O & M	See Gen. note # 1 Minor damage; approx. 2 sq. ft. in living room and 1 sq. ft. in bedroom 1 where baseboard is unattached
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

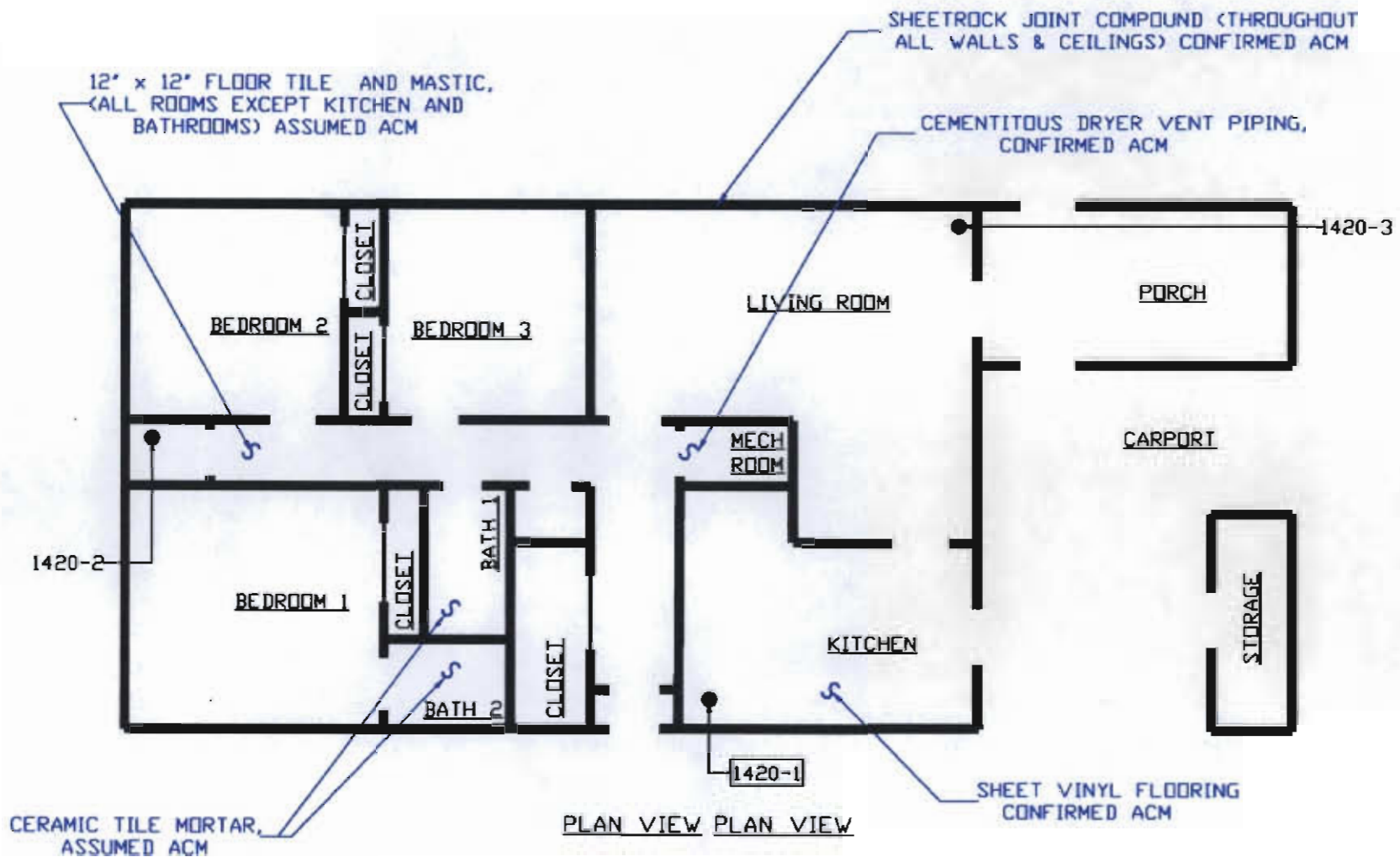
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1420 MANLEY AVENUE

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- XXXXX - TESTED POSITIVE FOR ASBESTOS
- XXXXX - NO ASBESTOS DETECTED

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (3J)
1420 MANLEY AVE
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1420

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1424 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

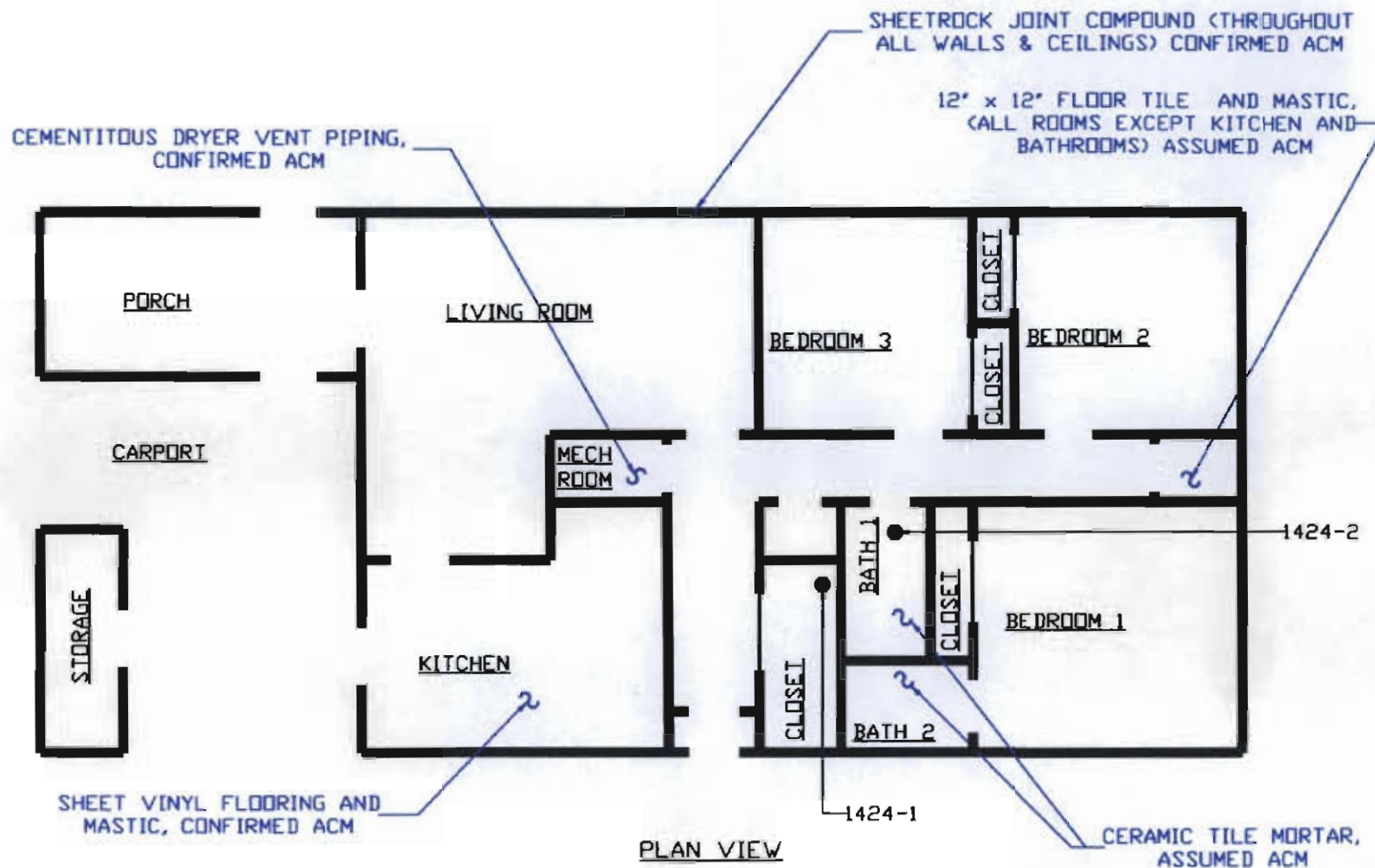
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1424 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

● - SAMPLE LOCATION

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (3J)
1424 MANLEY AVE
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98 DWG NAME: ASB 1424

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1421 MANLEY AVENUE

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1421 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1425 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N N Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3500 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

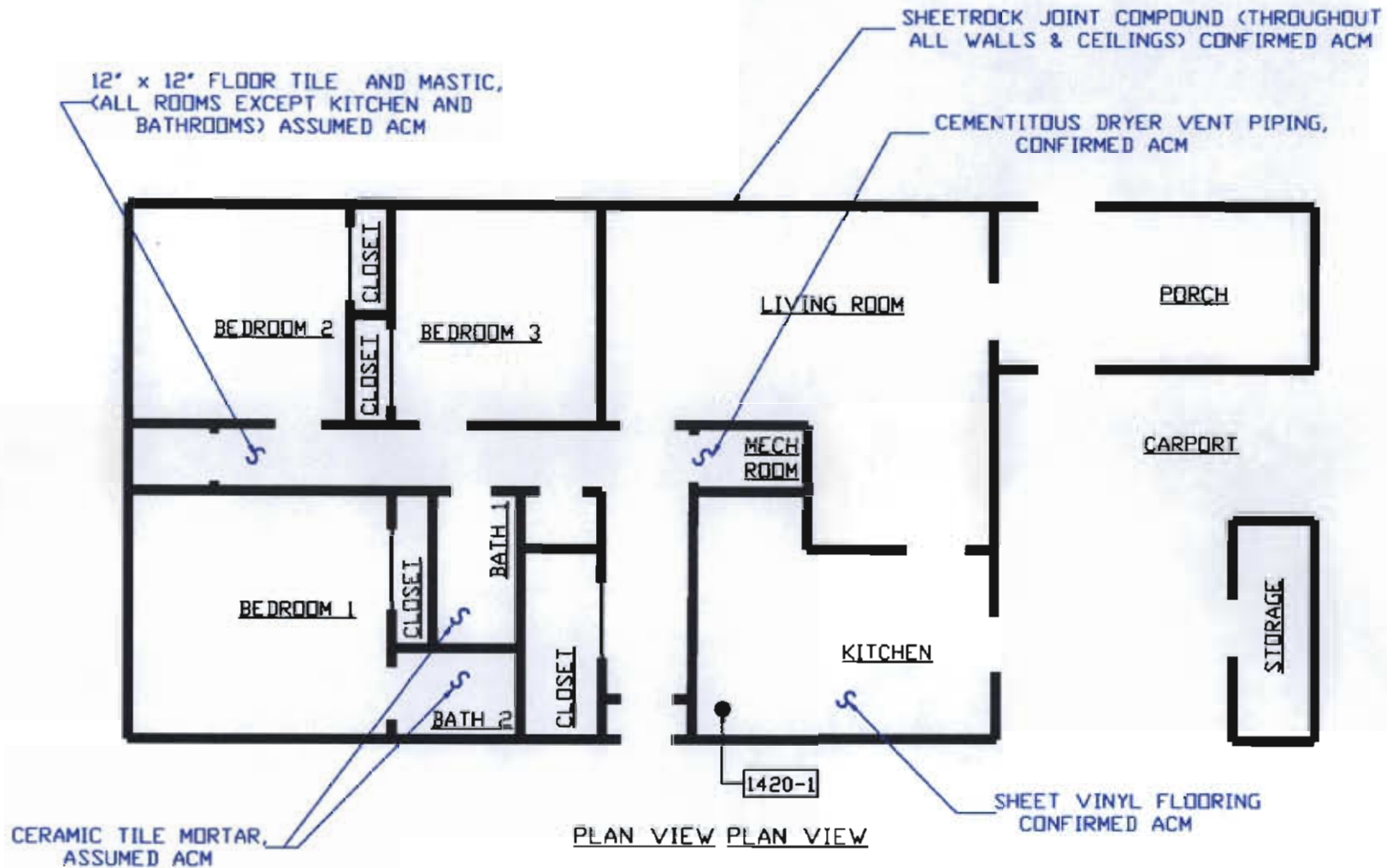
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1425 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (3J)
1425 MANLEY AVE
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1425

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1431 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3300 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1431 MANLEY AVENUE

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

1431-3
PORCH

LIVING ROOM 1

BEDROOM 2

CEMENTITIOUS DRYER VENT PIPING,
CONFIRMED ACM

MECH
ROOM

BATH 1

12" x 12" FLOOR TILE AND MASTIC,
(ALL ROOMS EXCEPT KITCHEN AND
BATHROOMS) ASSUMED ACM

HALL 1

CLOSET

1431-1
1431-2

STORAGE 1

CARPORT 1

KITCHEN

BEDROOM 1

SHEET VINYL FLOORING
CONFIRMED ACM

PLAN VIEW

LEGEND

● - SAMPLE LOCATION

SPORTENVDETCHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (2J)
1431 MANLEY
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1431

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1435 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-2 1409-MANLEY-5 1409-MANLEY-9 1409-MANLEY-10 1409-MANLEY-11 1409-MANLEY-12 1409-MANLEY-13 1410-MANLEY-1 1410-MANLEY-6 1410-MANLEY-11 1410-MANLEY-12 1410-MANLEY-13 1410-MANLEY-14 1410-MANLEY-15 1410-MANLEY-16 1410-MANLEY-17 1414-MANLEY-1 1420-MANLEY-1 1420-MANLEY-2 1424-MANLEY-1 1424-MANLEY-2	N N N N N Y Y N Y N N N N Y Y Y Y N Y N N N	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings	3300 sq. ft.	8	N	G	0	O & M	See Gen. note # 1
ASSUMED	A	MISC. FLOOR TILE and MASTIC, 12" x 12", living room, bedrooms 1, 2, and 3, closets, mech. room, hall	1000 sq. ft.	8	N	G	0	O & M	
1409-MANLEY-14 1409-MANLEY-15 1410-MANLEY-4 1410-MANLEY-5	Y Y Y Y	MISC. SHEET VINYL FLOORING and MASTIC, kitchen	190 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

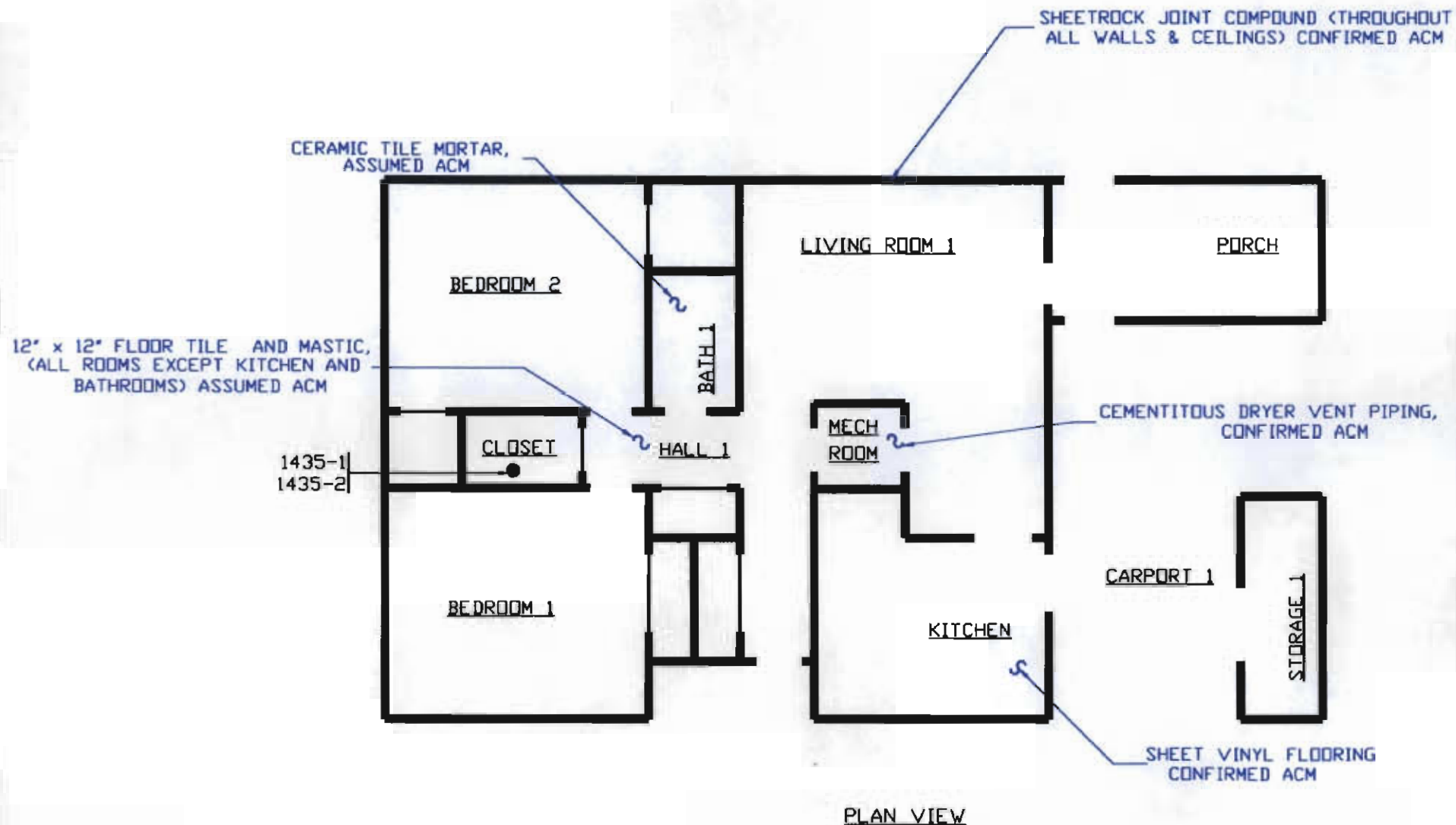
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1435 MANLEY AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
1409-MANLEY-4	Y	MISC. CEMENTITIOUS PIPING, CLOTHES DRYER VENT, kitchen, mech. room	10 LF	8	N	G	0	O & M	
ASSUMED	A	CERAMIC TILE MORTAR, bathrooms	270 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

● - SAMPLE LOCATION

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan - Type (2J)
1435 MANLEY
Charleston Naval Base
Charleston, SC

DWG DATE: 26 JAN 98

DWG NAME: ASB 1435

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1352 Av. G Date 4/11/97

INSPECTOR C. Drum DHEC LICENSE NO. 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME 13. Murray
Revea Charria PHONE NO. 743-6482 Ext. 230

Relinquished to James J. Smith Date 4-14-97

Relinquished by C. Drum Date 4/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1352-1 Av. G		Attic insulation	NONE	J.J.S.

Analyst(s) James J. Smith Date 4-15-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION**

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1409 MANLEY

Date: 4/7/97

INSPECTOR CONNIE DRUM

DHEC LICENSE NO. 21682

EXPIRATION DATE 8/21/97

INSPECTOR _____

DHEC LICENSE NO. _____

EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY
Royce Chappin

PHONE NO. 743-6482 Ext. 230

Relinquished to _____ Date _____

Relinquished by _____ Date _____

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1409 MANLEY-1	—	ATTIC	NONE	J.J.A.
1409 MANLEY-2	—	SHEETROCK, KITCHEN	NONE	J.J.A.
1409 MANLEY-3	—	MASTIC, BASEBOARD, KITCHEN	CHRYSO TILE	J.J.A.
1409 MANLEY-4	—	DRYER VENT DUCT	CHRYSO TILE / CROCIDOLITE	J.J.A.
1409 MANLEY-5	—	SHEETROCK, KITCHEN		

Analyst(s) Jimmy L. Smith Date 4/8/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building ¹⁴⁰⁷ 1309 MANLEY (763) Date: 4/9/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S):

INSPECTOR C. Drum DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Bruce Murray
Royce Charpie PHONE NO 743-6482 Ext. 230

Relinquished to W. LAUX Date 4-9-97

Relinquished by _____ Date _____

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1409-5		Kitchen, damaged sheet rock behind base board, check paper only	NONE	WR

Analyst(s) W. Laux Date 4-9-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building (763) 1409 Manley Date: 4/28/97

INSPECTOR C. Drum DHEC LICENSE NO. 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Bruce Murray
Royce Chandra PHONE NO. 743-6482 Ext. 230

Relinquished to W. LAUX Date 4-28-97

Relinquished by C. Drum Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1409-7 manley		Putty - Carport overhead	NONE	WA

Analyst(s) W. Laux Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1409-MANLEY AVE Date: 1-8-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Reve Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/98

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME B. Murray PHONE NO Ext. 234

Relinquished to J. J. Smith Date 1-8-98

Relinquished by BOT Date 1/8/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1409 -MANLEY -8		BASBOARD MASTIC (MASTIC ONLY) FROM BEHIND BICE BASBOARD	NONE	WEM
-9		SHEETROCK, CORED SAMPLE FROM BEHIND BASBOARD, NOT THROUGH MASTIC	NONE	WEM
-10		SHEETROCK, CORED SAMPLE FROM BEHIND BASBOARD, THROUGH MASTIC, IN KITCHEN (BICE BASBOARD)	NONE	WEM
-11		SHEETROCK, CORED SAMPLE FROM BEHIND BASBOARD, THROUGH MASTIC, IN BEDROOM CLOSET (BROWN BASBOARD)	NONE	WEM
-12		SHEETROCK, CORED SAMPLE FROM CORNER THROUGH TAPE & JOINT COMPOUND, BEDROOM CLOSET	CHRYSOTILE	WEM
-13		SHEETROCK / JOINT COMPOUND FROM BEHIND SWITCH PLATE, BEDROOM	CHRYSOTILE	WEM
-14		SHEET VINYL FLOOR, TOP LAYER, ONLY ONE LAYER AT THIS SAMPLE LOCATION <u>HAD 2ND LAYER</u>	CHRYSOTILE	WEM
-15		SHEET VINYL FLOOR, 2 LAYERS AT THIS SAMPLE LOCATION <u>2ND LAYER</u>	CHRYSOTILE	WEM

Analyst(s) W.E. May Date 1/9/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1410 Manley Date 4/22/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR C. Drum DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charbia PHONE NO 743-6482 Ext. 230

Relinquished to Jimmy J. Smith Date 4-22-97

Relinquished by C. Drum Date 4/22/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1410-1 Manley		Sheetrock under heater in Mech Room	NONE	WJR
1410-2 Manley		Dryer Vent Conking, CARPORT	NONE	WJR
 				

Analyst(s) J. Auf Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

Building 1410 Manley Date: 4/28/97

INSPECTOR C. Drum DHEC LICENSE NO. 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray
Royce Charura PHONE NO. 743-6482 Ext. 230

Relinquished to W. L. A. J. Date 4-28-97

Relinquished by C. Drum Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1410-3 manley		Putty from plywood joint CARPORT overhead	NONE	WTC

Analyst(s) W. L. A. J. Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1410 MANLEY AVE Date: 1-7-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR BRUCE MURRAY DHEC LICENSE NO. 21686 EXPIRATION DATE 8-20-98

NOTIFY OF RESULTS. NAME BRUCE MURRAY PHONE NO Ext 234

Relinquished to J. J. Smith Date 1-8-98

Relinquished by BDT Date 1-8-98

Logged in by [Signature] Date 1-8-98

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1410-MANLEY - 4		SHEET VINYL FLOORING, ^{MIDDLE} MULTIPLE LAYERS (KITCHEN) ^{Bottom} LAYER	CHRYSO TILE	J.J.S.
- 5		SHEET VINYL FLOORING, ^{MIDDLE} MULTIPLE LAYERS (KITCHEN) ^{Bottom} LAYER	CHRYSO TILE	J.J.S.
- 6		BASEBOARD MASTIC, FROM BROWN BASEBOARD ^{GREEN COLOR MATERIAL} w/ WHITE MATERIAL *	CHRYSO TILE	J.J.S.
- 7		↓ ↓	NONE	J.J.S.
- 8		BASE BOARD MASTIC, FROM BEIGE BASEBOARD	NONE	J.J.S.
- 9		↓ ↓	NONE	J.J.S.

* SHELLACK JOINT COMPOUND ADHERED TO SAMPLE BDT 1-8-98

Analyst(s) J. J. Smith Date 1-8-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 1410-MANLEY AVE. Date: 1-8-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Beve Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS: NAME Beve Murray PHONE NO Ext. 234

Relinquished to J. J. Smith Date 1-8-98

Relinquished by B. J. Smith Date 1-8-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1410-MANLEY-10		BASEBOARD MASTIC (ADHERED TO BASEBOARD)	NONE	J.J.S.
1410-MANLEY-11		SHEETROCK (FROM 1" ABOVE BASEBOARD IN MECH. ROOM) CORE SAMPLE	NONE	J.J.S.
1410-MANLEY-12		SHEETROCK - CORE SAMPLE FROM DIRECTLY BEHIND BASEBOARD WITH NO MASTIC (MECH. ROOM)	NONE	J.J.S.
-13		SHEETROCK - CORE SAMPLE FROM DIRECTLY BEHIND BASEBOARD WITH ADHERED MASTIC (MECH. ROOM)	NONE	J.J.S.
-14		SHEETROCK - CORE SAMPLE, APPROX. 4' UP FROM FLOOR - NO APPARENT JOINT COMPOUND OR TACK.	NONE	J.J.S.
-15		SHEETROCK - SAMPLE FROM CORNER W/TAPE AND JOINT COMPOUND (MECH. ROOM)	CHRYSO TILE	J.J.S.
-16		SHEETROCK - SAMPLE FROM CORNER W/TAPE & JOINT COMPOUND (BEDROOM CLOSET)	CHRYSO TILE	J.J.S.
-17		SHEETROCK / JOINT COMPOUND FROM BEHIND SWITCH PLATE IN BEDROOM	CHRYSO TILE	J.J.S.

Analyst(s) Jeremy J. Smith Date 1-8-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1420 Manley Date 4/22/97

INSPECTOR C. Drum DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext 230

Relinquished to James J. Smith Date 4-22-97

Relinquished by C. Drum Date 4/22/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1420-1 Manley		Sheetrock, Kitchen wall switch by sink. PUTTY	CHRYSTILE NONE	WJR
1420-2 Manley		Sheetrock, Closet SURFACE MATERIAL	NONE CHRYSTILE	WJR
1420-3 Manley		Unigl baseboard mastic, living room	NONE	WJR

Analyst(s) WJR Date 4-30-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 1421 Manley Date 4/28/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR C. Drurn DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO. _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME Royce Charpia PHONE NO 743-6482 Ext. 230

Relinquished to W. LAUX Date 4-28-97

Relinquished by C. Drurn Date 4/28/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst initials
1421-1 MANLEY		Patty Pro joint plywood overhead porch	NONE	WA

Analyst(s) W. Laux Date 5-1-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Protect) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building (763) 1431 MANLEY AV Date 4/11/97

INSPECTOR C. Drum DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME B. Murray PHONE NO 743-6482 Ext. 230
Royce Chappin

Relinquished to Jimmy J. Smith Date 4-14-97

Relinquished by C. Drum Date 4/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1431-1 Manley		ATTIC INSULATION	NONE	J.J.S.
1431-2 Manley		Attic access push up insulation over.	NONE	J.J.S.
1431-3 Manley		Porch 1, mastic	NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4/15/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building (765) 1435 Manley Date 4/11/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR C. Drum DHEC LICENSE NO 21682 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME B. Murray ~~Royce Chandra~~ PHONE NO 743-6482 Ext 230

Relinquished to Jimmy J. Smith Date 4-14-97

Relinquished by C. Drum Date 4/14/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
1435-1 MANLEY		Attic insulation	NONE	J.J.S.
1435-2 MANLEY		Attic access push-up, insulating board over	NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 4/15/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ASBESTOS SURVEY
TYPE "S" HOUSING
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.**

1. DESCRIPTION:

The eight houses listed below are built to the TYPE S floor plan style. All units are similar in construction and have materials that are homogeneous to all "S" type houses. Approximate construction year is 1963 for the 3S houses and 1965 for the 3SA and 4S houses. The 3S units are 2110 square feet (total area including porch and carport) and have three bedrooms. The 3SA units are 1750 square feet (total area) and have 3 bedrooms. The 4S units are 2111 square feet (total area) and have 4 bedrooms. Each unit has brick veneer exterior with asphalt shingled roof. Houses are in good condition. Also, many of the materials found in these houses are homogeneous to materials in the "J" style houses.

<u>Building No:</u>	<u>Address:</u>	<u>Plan Type:</u>
705	97 Navy Way	4S
719	170 Turnbull	3SA
717	190 Turnbull	4S
706	315 Navy Way	3S
700	378 Turnbull	3S
701	399 Turnbull	3S
712	1422 Hobson	3S
708	1468 Hobson	3SA

2. FINDINGS:

Eight homogeneous materials were identified as possible Asbestos Containing Material (ACM). Of the 8 homogeneous materials, **2 were confirmed to contain asbestos, 3 were assumed to contain asbestos**, and 3 were found to be asbestos free.

CONFIRMED ACM

1. SHEETROCK JOINT COMPOUND, walls and ceilings throughout houses, see General Note 1
2. SHEET VINYL FLOORING and MASTIC, in kitchens

ASSUMED ACM

1. FLOOR TILE and MASTIC, 12" x 12", in all rooms except kitchens and bathrooms
2. FURNACE, in mech. room, see general note # 3
3. CERAMIC TILE MORTAR, in all bathrooms

ASBESTOS FREE

1. ATTIC INSULATION
2. CAULKING
3. BASEBOARD MASTIC, all rooms except bathrooms

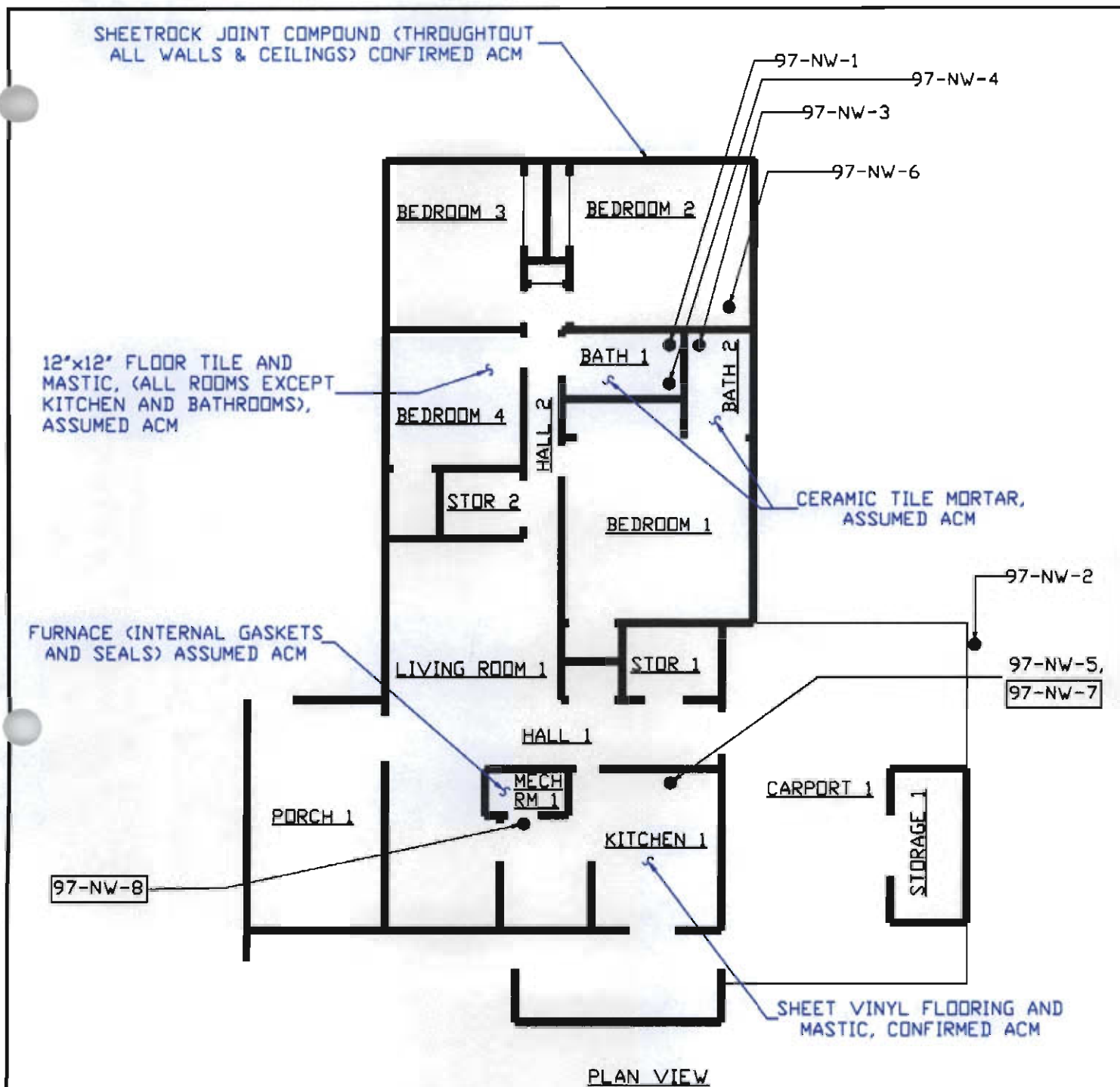
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

97 NAVY WAY

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4538 sq. ft.	8	N	G	0	O & M	See General Note 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINYL FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	2	O & M	3 sq. ft. damaged in kitchen at range location Also, there are multiple layers of sheet vinyl flooring.
ASSUMED	A	TSI, FURNACE							See General Note 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



LEGEND

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC 29405-2108
Ph. (803) 743-8777

Floor Plan - Type (4S)
97 NAVY WAY
Charleston Naval Base
Charleston, SC

DWG DATE: 13 JAN 98 DWG NAME: ASB 97

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

170 TURNBULL AVENUE

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	3965 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR, ASSUMED ACM

170-TURNBULL-5

BEDROOM 1

BATH 1

BEDROOM 2

12"x12" FLOOR TILE AND MASTIC, (ALL ROOMS EXCEPT KITCHEN AND BATHROOMS), ASSUMED ACM

HALL 2

STR 1

170-TURNBULL-6

170-TURNBULL-1

LIVING ROOM 1

BEDROOM 3

STORAGE 2

PORCH 1

HALL 1

FURNACE (INTERNAL GASKETS AND SEALS ASSUMED ACM)

MECH RM

170-TURNBULL-7

KITCHEN 1

170-TURNBULL-2

CARPORT
1-CAR

170-TURNBULL-3

PLAN VIEW

SHEET VINYL FLOORING AND MASTIC, CONFIRMED ACM

LEGEND

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan - Type (3SA)
170 TURNBULL AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 15 JAN 98

DWG NAME: ASB 170

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

190 TURNBULL AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4538 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHTOUT ALL WALLS & CEILINGS) CONFIRMED ACM

12"x12" FLOOR TILE AND MASTIC, (ALL ROOMS EXCEPT KITCHEN AND BATHROOMS), ASSUMED ACM

FURNACE (INTERNAL GASKETS AND SEALS) ASSUMED ACM

CERAMIC TILE MORTAR, ASSUMED ACM

SHEET VINYL FLOORING AND MASTIC, CONFIRMED ACM

LEGEND

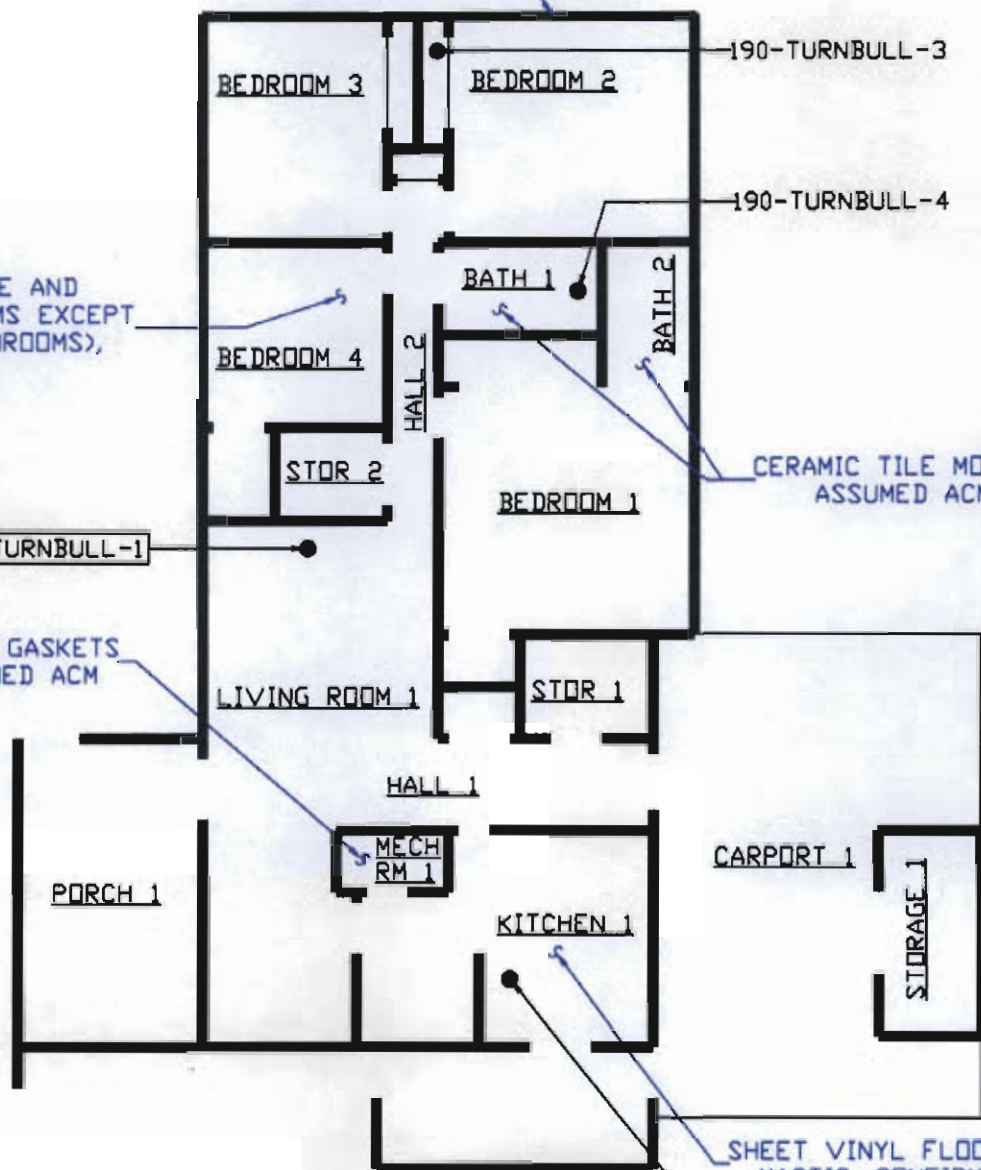
- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

PLAN VIEW

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC 29405-2108
Ph. (803) 743-8777

Floor Plan - Type (4S)
190 TURNBULL AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 13 JAN 98 DWG NAME: ASB 190



**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

315 NAVY WAY

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4649 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINYL FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

Floor Plan Details:

- Rooms:** SCREEN PORCH, CARPORT, STORAGE ROOM, LIVING ROOM, MECH RM, KITCHEN, HALL, BEDROOM (3 total), BATH (2 total), CLOSET (7 total).
- Annotations:**
 - Blue line pointing to Kitchen: SHEET VINYL FLOORING AND MASTIC, CONFIRMED ACM
 - Blue line pointing to Bathrooms: CERAMIC TILE ASSUMED ACM
 - Blue line pointing to Bedrooms: 12"x12" FLOOR TILE AND MASTIC, (ALL ROOMS EXCEPT KITCHEN AND BATHROOMS), ASSUMED ACM

PLAN VIEW

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (3S)
315 NAVY WAY
Charleston Naval Base
Charleston, SC

DWG DATE:14 JAN 98

DWG NAME: ASB 315

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

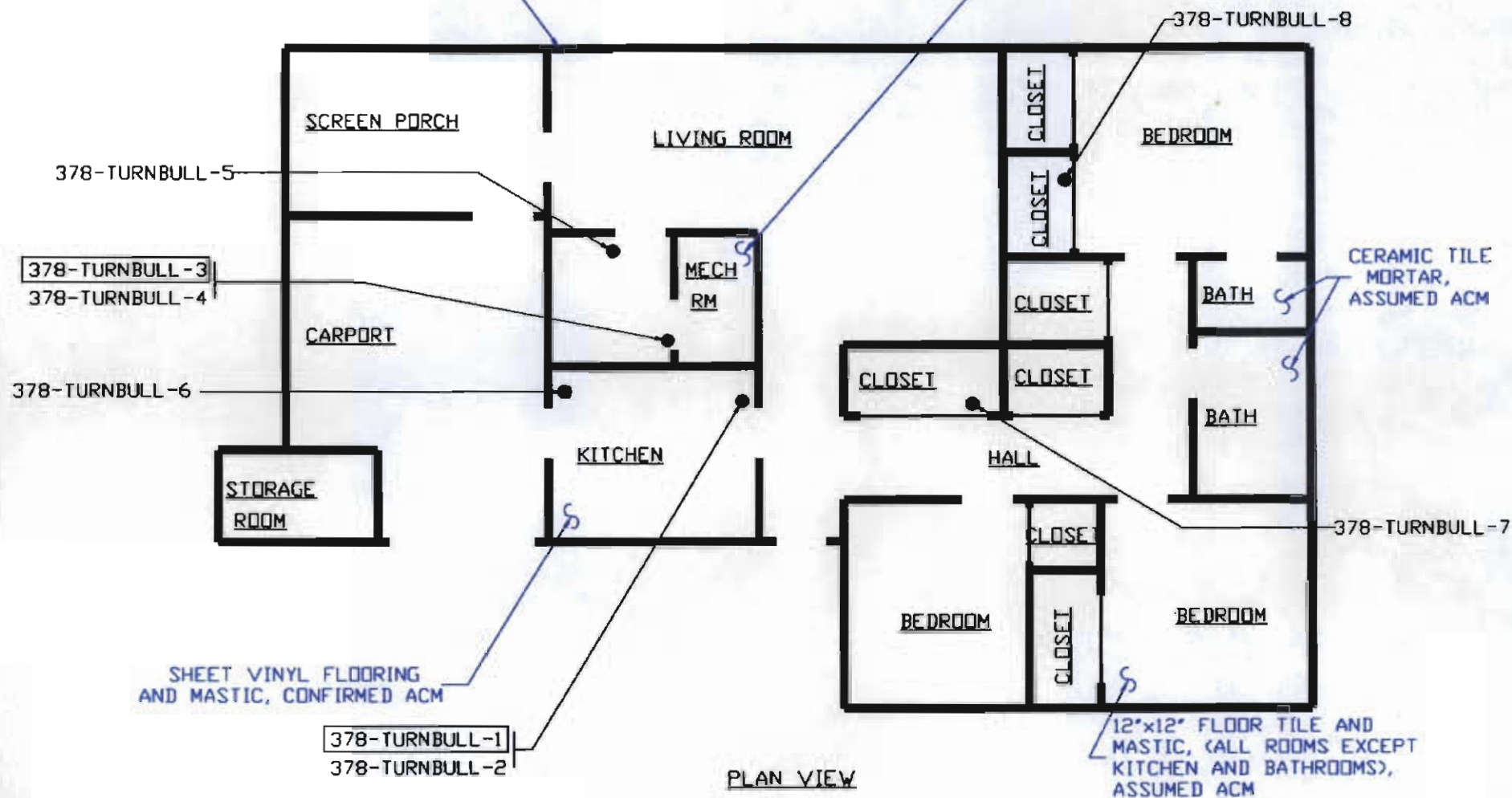
378 TURNBULL AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4649 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

FURANCE (INTERNAL GASKETS AND SEALS) ASSUMED ACM



PLAN VIEW

LEGEND

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan - Type (3S)
378 TURNBULL AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 14 JAN 98 DWG NAME: ASB 378

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

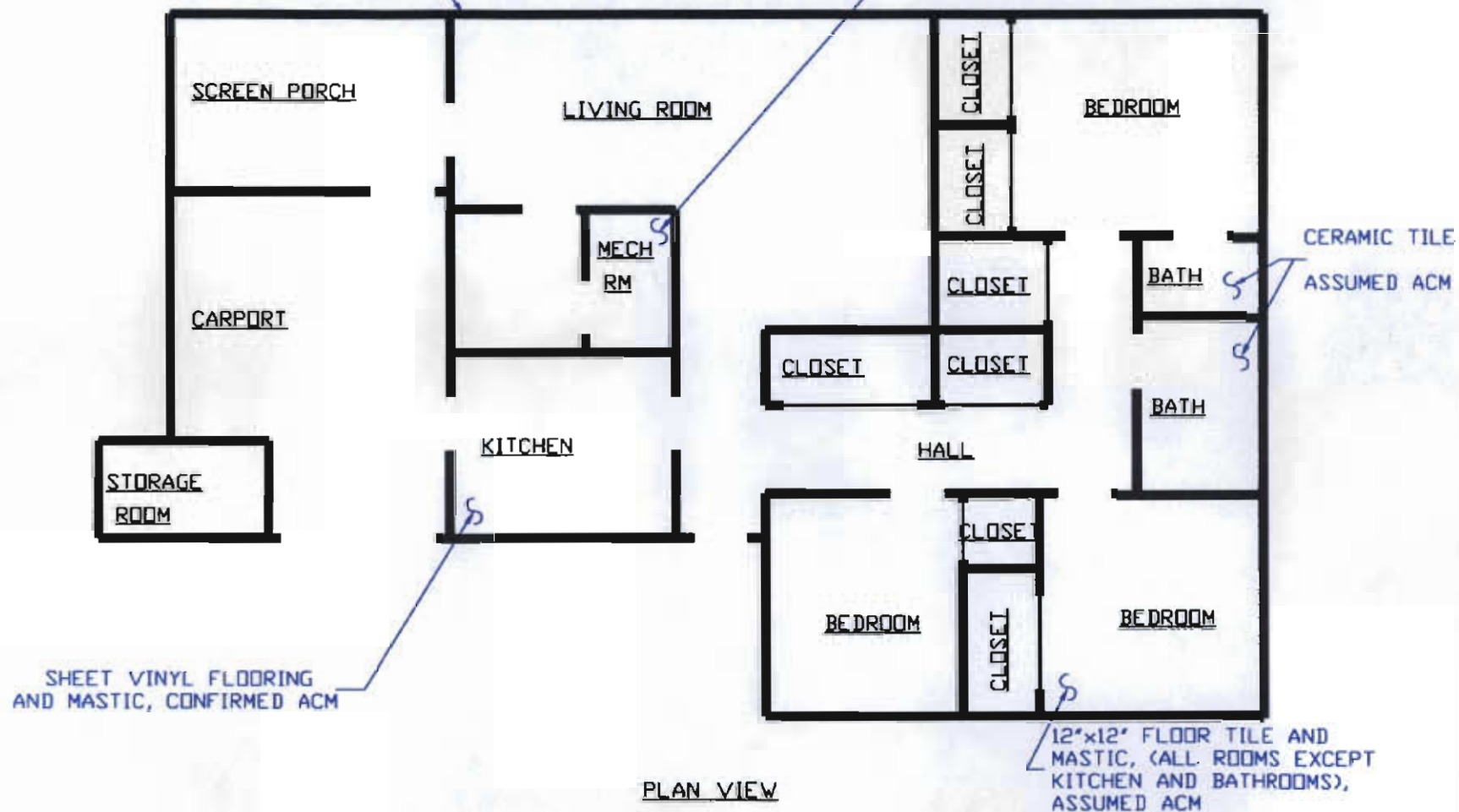
399 TURNBULL AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4649 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

FURANCE (INTERNAL GASKETS
AND SEALS) ASSUMED ACM



PLAN VIEW

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-8777

Floor Plan - Type (3S)
399 TURNBULL AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 14 JAN 98

DWG NAME: ASB 399

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

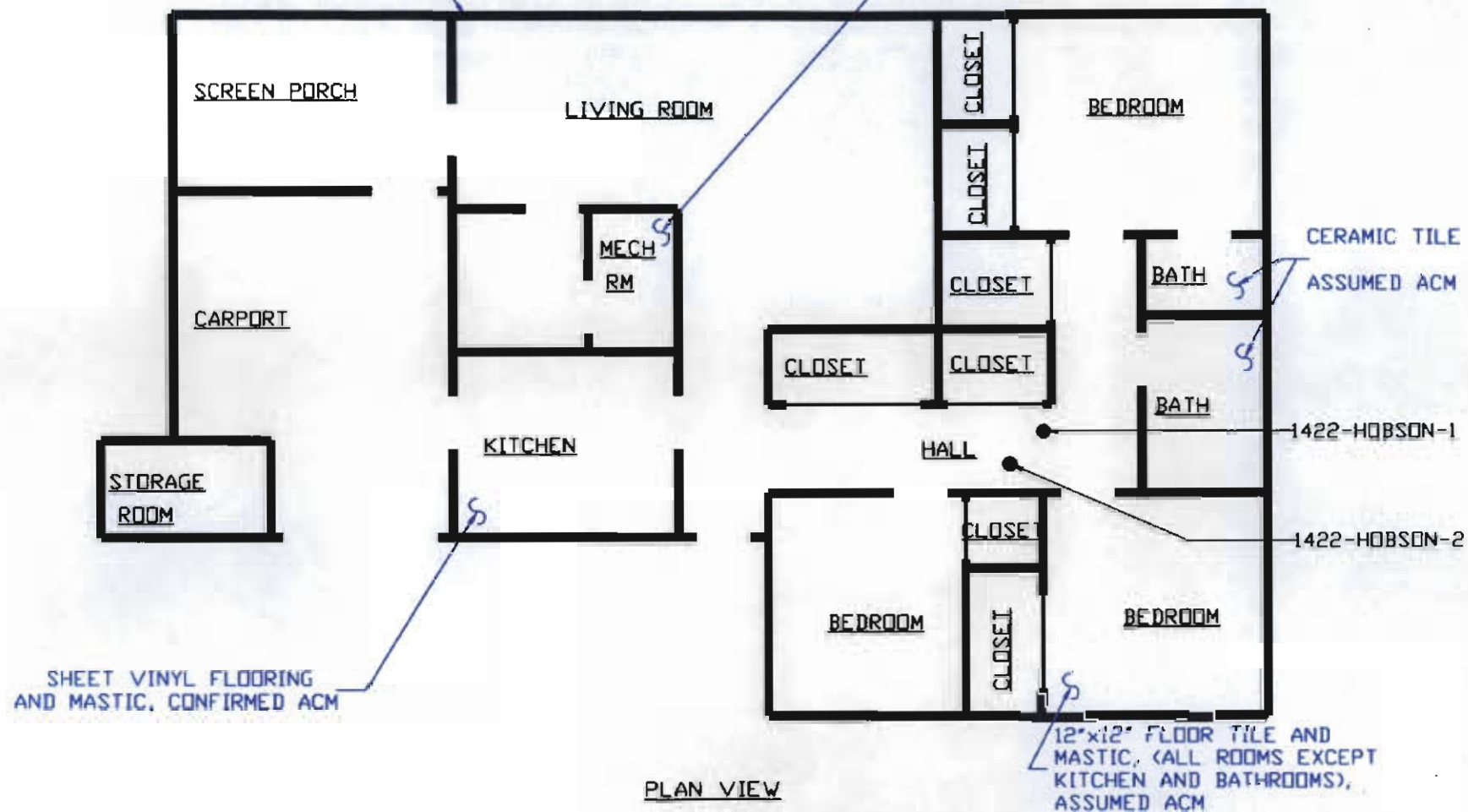
1422 HOBSON AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	4649 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT ALL WALLS & CEILINGS) CONFIRMED ACM

FURANCE (INTERNAL GASKETS AND SEALS) ASSUMED ACM



PLAN VIEW

LEGEND

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (3S)
1422 HOBSON AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 14 JAN 98

DWG NAME: ASB 1422

**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

1468 HOBSON AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
190-TURNBULL-1 190-TURNBULL-2 170-TURNBULL-1 170-TURNBULL-2 170-TURNBULL-3	Y N N N Y	MISC. SHEETROCK JOINT COMPOUND	3965 sq. ft.	8	N	G	0	O & M	See general note # 1
ASSUMED	A	MISC., FLOOR TILE and MASTIC, 12" x 12", all rooms except kitchens and bathrooms	1100 sq. ft.	8	N	G	0	O & M	
378-Turnbull-1 378-Turnbull-2 378-Turnbull-3 378-Turnbull-4 97-NW-7 97-NW-8	Y N Y N Y Y	MISC., SHEET VINLY FLOORING and MASTIC, kitchens	176 sq. ft.	8	N	G	0	O & M	
ASSUMED	A	TSI, FURNACE							See general note # 3
ASSUMED	A	MISC., CERAMIC TILE MORTAR	284 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: ACM = Asbestos Containing Material (contains greater than 1% asbestos), Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet

SHEETROCK JOINT COMPOUND (THROUGHOUT
ALL WALLS & CEILINGS) CONFIRMED ACM

CERAMIC TILE MORTAR,
ASSUMED ACM

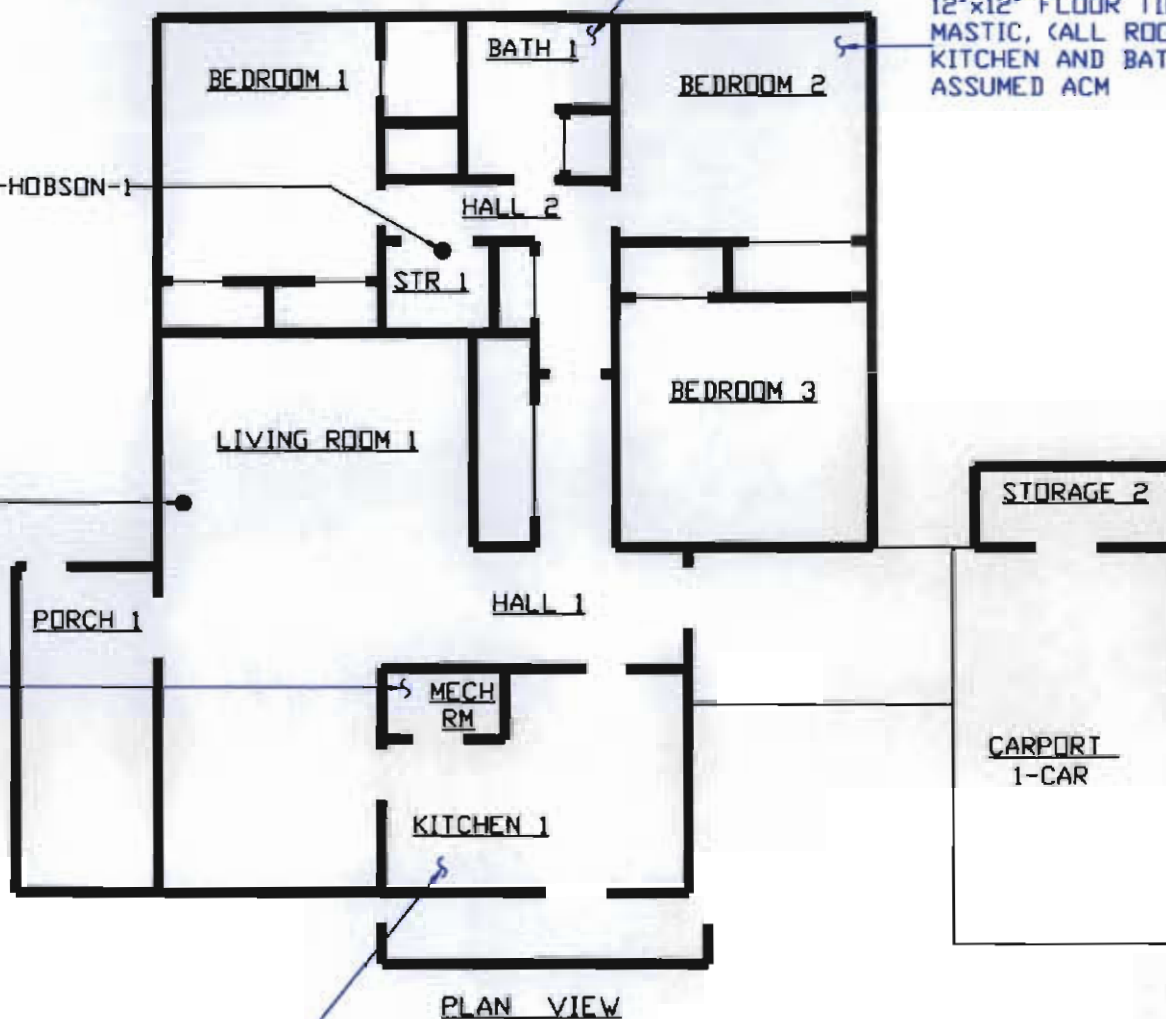
12"x12" FLOOR TILE AND
MASTIC, (ALL ROOMS EXCEPT
KITCHEN AND BATHROOMS),
ASSUMED ACM

1468-HOBSON-1

1468-HOBSON-2

FURNACE (INTERNAL GASKETS
AND SEALS ASSUMED ACM

SHEET VINYL FLOORING AND
MASTIC, CONFIRMED ACM



LEGEND

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETCHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2108
Ph. (803) 743-6777

Floor Plan - Type (3SA)
1468 HOBSON AVE.
Charleston Naval Base
Charleston, SC

DWG DATE: 15 JAN 98

DWG NAME: ASB 1468

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 97 NAVY WAY Date 5/15/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME JIM LEWIS PHONE NO 743-6482 Ext. 230 139

Relinquished to W L A U X Date 5-15-97

Relinquished by James Lewis Date 5/15/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
97 NW-1		CERAMIC TILE GROUT	NONE	WLA

Analyst(s) W L A U X Date 5-16-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 97 NAVY WAY Date: 1-6-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR LEWIS, JAMES E DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/98

INSPECTOR MURRAY, BRUCE DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS NAME JAMES LEWIS PHONE NO 743-6777

Relinquished to J. J. Smith Date 1-6-98

Relinquished by James Lewis Date 1/6/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
97 NAVY WAY-2		SHINGLE, WHITE	NONE	J.J.S.
97 NAVY WAY-3		CAULKING FROM BATH # 2	NONE	J.J.S.
97 NAVY WAY-4		CAULKING FROM BATH # 1	NONE	J.J.S.

Analyst(s) Jimmy J. Smith Date 1-6-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 97 NAVY WAY Date: 1-7-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8-20-98

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO. Ext. 234

Relinquished to J. J. Smith Date 1-7-98

Relinquished by James Lewis Date 1/7/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
97-NW - 5		BASEBOARD MASTIC, (BEHIND BASEBOARD) KITCHEN	NONE	J.J.S.
- 6		BASEBOARD MASTIC, (BEHIND BASEBOARD) BEDROOM # 2	NONE	J.J.S.
- 7		BASEBOARD MASTIC, (BEHIND BASEBOARD) SHEET VINYL FLOORING, 3 LAYERS (KITCHEN)	CHRYSO TILE	J.J.S.
- 8		↓ ↓	CHRYSO TILE	J.J.S.

Analyst(s) James J. Smith Date 1-7-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 170 TURNBULL Date 5/15/97

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21086 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME Bruce Murray PHONE NO 743-6482 Ext 230 234

Relinquished to WLAU Date 5-17-97

Relinquished by James Lewis Date 5/15/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
170 TURNBULL -1	—	LIVING ROOM SHEETROCK	NONE	WAR
170 TURNBULL -2	—	KITCHEN SHEETROCK / PUTTY	NONE	WAR
170 TURNBULL -3	—	MECH. ROOM SHEETROCK w/TAPE: <u>MUD</u> →	CHRYSTOTILE	WAR
170 TURNBULL -4	—	BATHROOM #1 CERAMIC TILE GROUT	NONE	WAR
170 TURNBULL -5	—	BATHROOM #2 CERAMIC TILE GROUT / MORTAR	NONE	WAR
170 TURNBULL -6	—	BEDROOM #3 CLOSET 12" x 12" FLOOR TILE	NONE	WAR
170 TURNBULL -7	—	LIVING ROOM 12" x 12" FLOOR TILE w/MASTIC	NONE	WAR

Analyst(s) W. R. Lewis Date 5-16-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 170 TURNBULL AVE Date 1-6-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 5/20/98

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 5/20/98

NOTIFY OF RESULTS: NAME BRUCE MURRAY PHONE NO 743-6977

Relinquished to J. J. Smith Date 1-6-98

Relinquished by James Lewis Date 1/6/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
170 -TURNBULL -8		Roof SHINGLE	NONE	J.J.S.

Analyst(s) James J. Smith Date 1-6-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 190 TURNBULL Date 5/15/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Beve Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR James Lewis DHEC LICENSE NO 21686 EXPIRATION DATE 8/22/97

NOTIFY OF RESULTS NAME Beve Murray PHONE NO 743-6482 Ext. 230 254
~~Royce Chandra~~

Relinquished to W LAX Date 5-15-97

Relinquished by James Lewis Date 5/15/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
190 TURNBULL -1	—	LIVING ROOM SHEetrock, PUTTY	CHRYSTOTILE	NR
190 TURNBULL -2	—	KITCHEN SHEetrock, PUTTY	NONE	WAR
190 TURNBULL -3	—	BEDROOM #3 12" X 12" FLOOR TILE w/MASTIC	NONE	WAR
190 TURNBULL -4	—	BATHROOM #1 CERAMIC TILE GROUT	NONE	WAR

Analyst(s) W Lax Date 5-16-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 190 TURNBULL

Date: 1-6-98

INSPECTOR BURLE MURRAY DHEC LICENSE NO 21657 EXPIRATION DATE 8/20/98

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS. NAME JAMES LEWIS PHONE NO 3-677711

Relinquished to J. J. Smith Date 1-6-98

Relinquished by James Lewis Date 1/6/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
<u>190 -TURNBULL -5</u>		<u>ROOF SHINGLE</u>	<u>NONE</u>	<u>J.J.S.</u>

Analyst(s) Jerry J. Smith Date 1-6-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 578 TURNBULL AVE Date 1/7/98

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/20/98

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/20/98

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO. _____

Relinquished to J. J. Smith Date 1-7-98

Relinquished by James E. Lewis Date 1/7/98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
378 -TURNBULL -1		SHEET VINYL FLOORING, BOTTOM LAYER, (SMALL PEBBLE DESIGN) VFL	CHRYSO TILE	J.J.S.
378 -TURNBULL -2		SHEET VINYL FLOORING, TOP LAYER, HONEY W/BROWN PATTERNS, FLOWER BUILT DESIGNS (VFI)	NONE	J.J.S.
378 -TURNBULL -3		SHEET VINYL FLOORING, BOTTOM LAYER (VFL)	CHRYSO TILE	J.J.S.
378 -TURNBULL -4		SHEET VINYL FLOORING, TOP LAYER, (VFI)	NONE	J.J.S.
378 -TURNBULL -5		BASEBOARD MASTIC, FROM BEIGE BASEBOARDS IN KITCHEN	NONE	J.J.S.
378 -TURNBULL -6		↓ ↓	NONE	J.J.S.
378 -TURNBULL -7		BASE BOARD MASTIC, FROM BROWN BASEBOARDS	NONE	J.J.S.
378 -TURNBULL 8		↓ ↓	NONE	J.J.S.

Analyst(s) James J. Smith Date 1-7-98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1422 HOBSON Date 4/8/97

INSPECTOR ROYCE CHARPIT DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME ROYCE CHARPIT PHONE NO 743-6482 Ext 230-234

Relinquished to _____ Date _____

Relinquished by _____ Date _____

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
1422 HOBSON-1	—	ATTIC INSULATION	NONE	J.L.A.
1422 HOBSON-2	—	ATTIC DOOR/HATCH FIBER BOARD BACKING	NONE	J.L.A.

Analyst(s) Jerry L. Smith Date 4/8/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

om: (Project) Envir. Eng. & Remediation Detachment
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

Building 1468 HOBSON Date 4/8/97

INSPECTOR ROYCE CHARPIT DHEC LICENSE NO 21680 EXPIRATION DATE 8/21/97

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME BRUCE MURRAY
~~Royce Charpit~~ PHONE NO 743-6482 Ext. 230 234

Relinquished to _____ Date _____

Relinquished by _____ Date _____

Regarded in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
468				
468-1		ATTIC INSULATION	NONE	J.J.A.
468				
468-2		ROOFING SHINGLE	NONE	J.J.A.

Analyst(s) William J. Smith Date 4/9/97

Analyst(s) _____ Date _____

Asbestos Logged _____ Date _____

ASBESTOS SURVEY
774 and 778 MARINE AVENUE, BUILDING # 765
CHARLESTON NAVAL COMPLEX
CHARLESTON, S.C.

1. **DESCRIPTION:**

Building 765 is a duplex consisting of 774 Marine Avenue and 778 Marine Avenue. Each unit has brick veneer exterior and asphalt shingled roof. Each unit is approximately 1808 square feet (total area including carport and storage). Year of construction was 1963. Both units are similar in construction and many of the building materials are of the same homogeneous group. 774 and 778 Marine Avenue are also similar to the "S" and "J" type units. The years of construction are all 1963 and 1965 and many of the materials used in building 765 are of the same homogeneous group as those used in the "S" and "J" type units.

2. **FINDINGS:**

Six homogeneous sampling areas were identified as possible Asbestos Containing Material (ACM). Of the 6 homogeneous sampling areas, **3 were confirmed to contain asbestos, 1 was assumed to contain asbestos**, and 2 were found to be asbestos free.

CONFIRMED ACM

1. FLOOR TILE MASTIC, (for 12" x 12" floor tile) located in all rooms except bathrooms
2. SHEET VINYL FLOORING with MASTIC, bathrooms # 1 and # 2
3. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house, see General Note 1

ASSUMED ACM

1. FLOOR TILE, 12" x 12", located in all rooms except bathrooms

ASBESTOS FREE

1. WALLPAPER, located in kitchen
2. BASEBOARD MASTIC, located in bathrooms

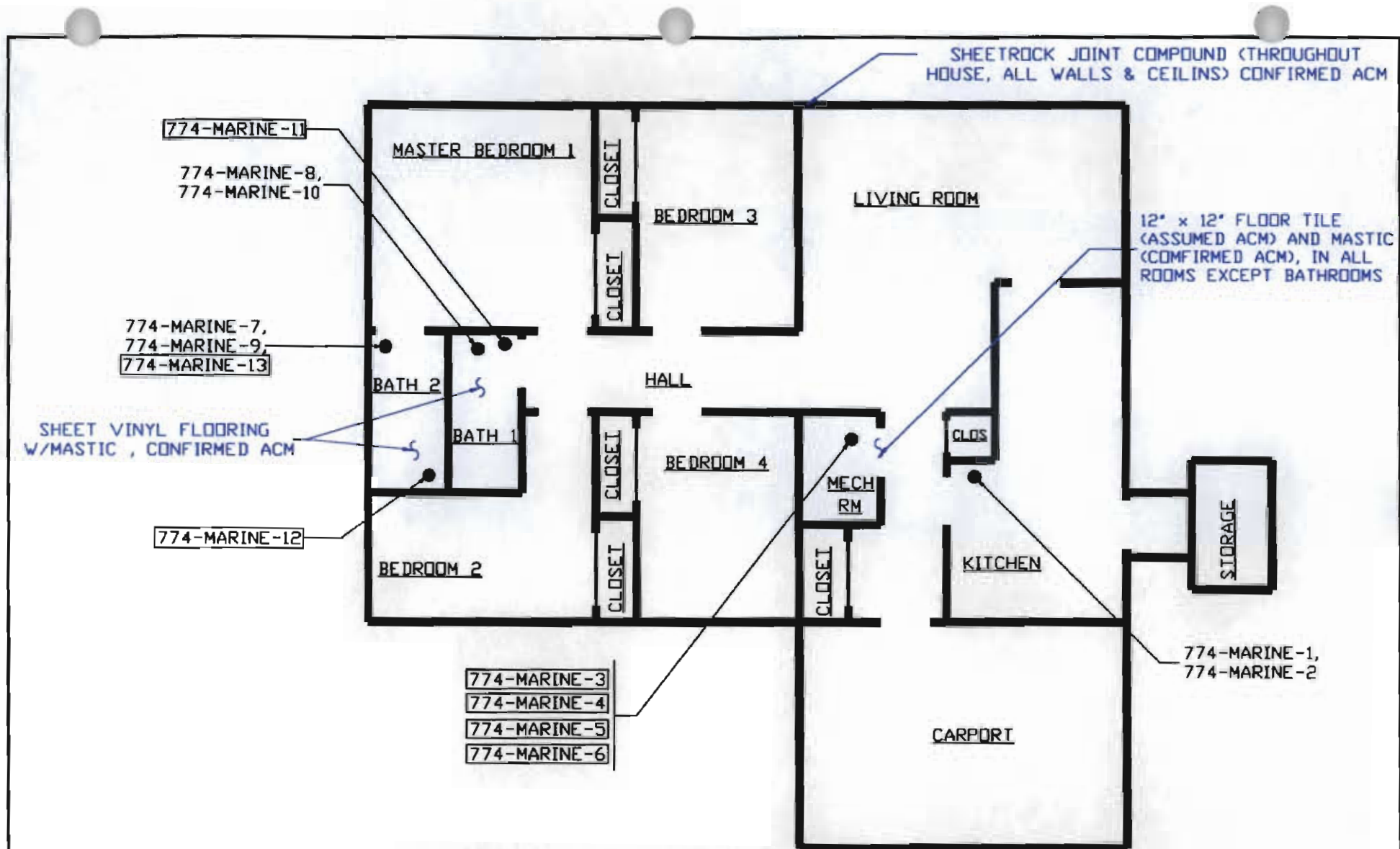
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

774 MARINE AVENUE

Sample No.	ACM Y / N / A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
774-MAR-3 774-MAR-4 774-MAR-5 774-MAR-6	Y Y Y Y	MISC. FLOOR TILE MASTIC, for 12" x 12" floor tile, all rooms except bath rooms	1432 sq. ft.	8	N	G	<1	Repair Damage, O & M	2 sq. ft. damaged near water heater Note: mastic tested positive, tile <i>assumed</i> positive
ASSUMED	A	MISC. FLOOR TILE, 12" x 12"	1432 sq. ft.	8	N	G	<1	Repair Damage, O & M	2 sq. ft. damaged near water heater Note: mastic tested positive, tile <i>assumed</i> positive
778-MARINE-10 778-MARINE-11 778-MARINE-12	Y Y Y	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	5632 sq. ft.	8	N	G	0	O & M	See General Note 1
774-MARINE-11 774-MARINE-12 774-MARINE-13	Y Y Y	SHEET VINYL FLOORING and MASTIC, bathrooms # 1 and #2	40 sq. ft.	8	N	G	0	O & M	

ABBREVIATIONS: HMG.NO = Homogeneous Area Number, ACM = Asbestos Containing Material, Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



PLAN VIEW

- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (803) 743-6777

Floor Plan
774 MARINE DR.
Charleston Naval Base
Charleston, SC

DWG DATE: 15 JAN 98

DWG NAME: ASB 774

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 774 MARINE Date 5-12-97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

NOTIFY OF RESULTS: NAME BRUCE MURRAY PHONE NO 743-6482 Ext 230 234
Royce Charbia

Relinquished to Sammy J. Smith Date 5-12-97

Relinquished by James Lewis Date 5/12/97

Logged in by James Lewis Date 5/12/97

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No.	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
774-MAR-1	—	KITCHEN, WALLPAPER BORDER	NONE	WAR
774-MAR-2	—	KITCHEN, WALLPAPER BORDER	NONE	WAR
774-MAR-3	—	MECT. ROOM, 12" X 12" FLOOR TILE FROM RAISED WATER HEATER PLATFORM	BLACK MASTIC CHRYSOTILE	WAR
774-MAR-4	—	↓ ↓	BLACK MASTIC CHRYSOTILE	WAR
774-MAR-5	—	MECT. ROOM, MASTIC FROM ABOVE FLOOR TILE	CHRYSOTILE	WAR
774-MAR-6	—	↓ ↓	CHRYSOTILE	WAR
774-MAR-7	—	BATHROOM #2 WALL PAPER	NONE	WAR
774-MAR-8	—	↓ ↓	NONE	WAR

Analyst(s) James Lewis Date 5-13-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 774 MARINE Date: 5/12/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Buck Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8/21/97

INSPECTOR JAMES LEWIS DHEC LICENSE NO 21686 EXPIRATION DATE 8/21/97

NOTIFY OF RESULTS. NAME Royce Charoia PHONE NO 743-6482 Ext. 230

Relinquished to Jimmy F. Smith Date 5-12-97

Relinquished by James Lewis Date 5/12/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
774-MAR-9	—	BATHROOM #2 BASEBOARD MASTIC (ATTACHED TO WALLPAPER, CHECK MASTIC ONLY)	NONE	WR
774-MAR-10	—	BATHROOM #1 BASEBOARD MASTIC	NONE	WR

Analyst(s) WR Date 5-13-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From. (Project) Envir. Eng. & Remediation Detachment Building 774 MARINE AVE Date: 1-14-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S).

INSPECTOR BRUCE MURRAY DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS NAME BRUCE MURRAY PHONE NO EXT. 234

Relinquished to W.E. May Date 1/14/98

Relinquished by [Signature] Date 1-14-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
774 MARINE -11		SHEET VINYL FLOORING 2 LAYERS BATHROOM #1 (Bottom Layer)	CHRYSO TILE	WEM
-12		↓ SAME TYPE SHEET VINYL FLOOR 2 LAYERS BATHROOM #2 (Bottom Layer)	CHRYSO TILE	WEM
-13		↓ 2 LAYERS (Bottom Layer) ↓	CHRYSO TILE	WEM

Analyst(s) W.E. May Date 1/14/98

Analyst(s) _____ Date _____

Results Logged _____ Date _____

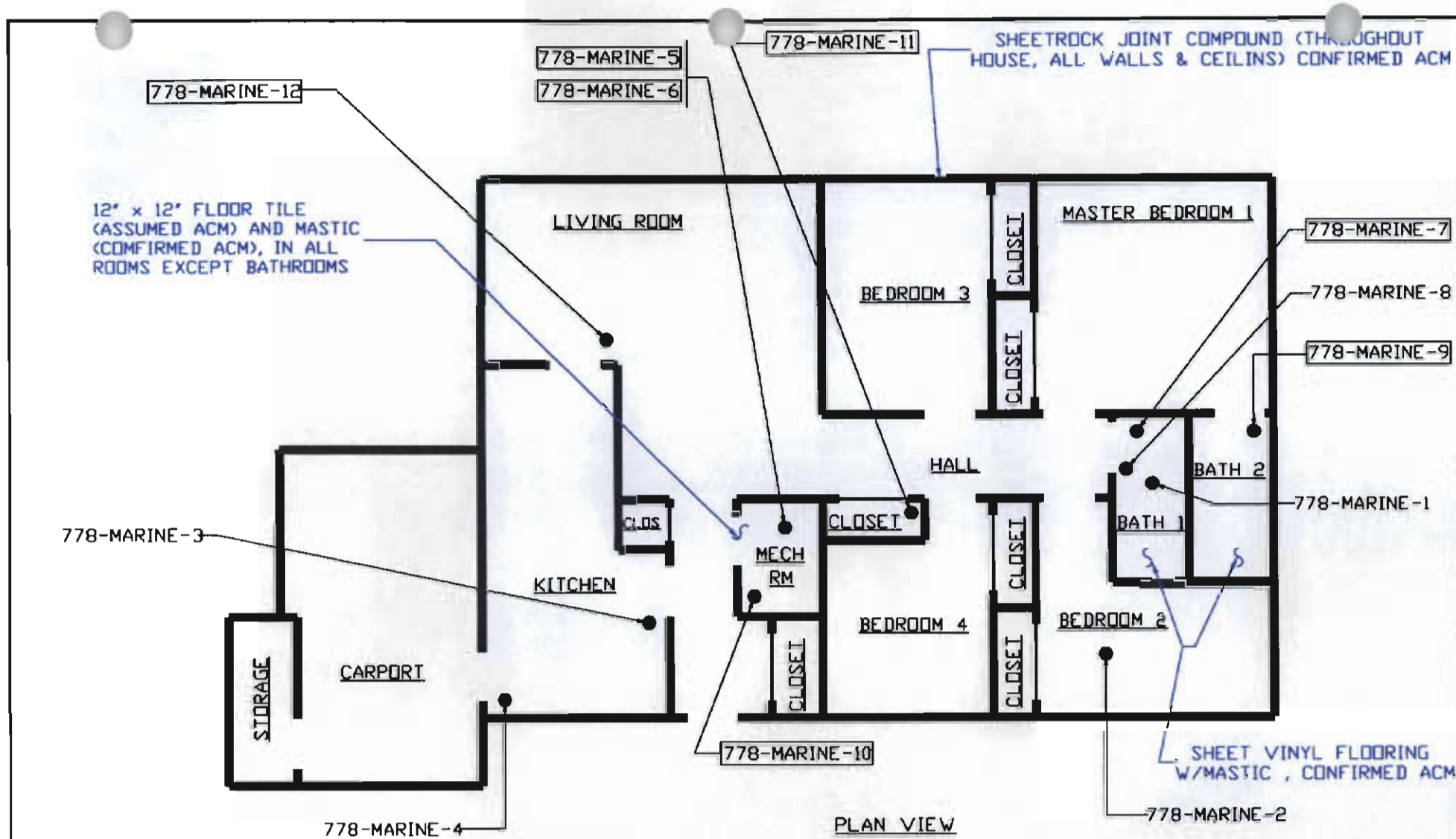
**ASBESTOS SURVEY
BUILDING SUMMARY TABLE**

**CHARLESTON NAVAL COMPLEX
HOUSING**

778 MARINE AVENUE

Sample No.	ACM Y/N /A	Material Description / LOCATION	Quantity	AHERA CATEGORY	FRIABLE	Cond	% D	Recommended Action	Comments
774-MAR-3 774-MAR-4 774-MAR-5 774-MAR-6	Y Y Y Y	MISC. FLOOR TILE, for 12" x 12" floor tile, all rooms except bath rooms	1432 sq. ft.	8	N	G	<1	Repair Damage, O & M	2 sq. ft. damaged near water heater Note: mastic tested positive, tile <i>assumed</i> positive
ASSUMED	A	MISC. FLOOR TILE, 12" x 12"	1432 sq. ft.	8	N	G	<1	Repair Damage, O & M	2 sq. ft. damaged near water heater Note: mastic tested positive, tile <i>assumed</i> positive
778-MARINE-7 778-MARINE-8 778-MARINE-9	Y N Y	SHEET VINYL FLOORING and MASTIC, bathrooms # 1 and #2	40 sq. ft.	8	N	G	0	O & M	
778-MARINE-10 778-MARINE-11 778-MARINE-12	Y Y Y	MISC. SHEETROCK JOINT COMPOUND, walls and ceilings throughout house	5632 sq. ft.	8	N	G	0	O & M	See General Note 1

ABBREVIATIONS: HMG.NO = Homogeneous Area Number, ACM = Asbestos Containing Material, Y = Yes, N = No, A = Assumed, % D = Percent Damaged, G = Good, D = Damaged, SD = Significantly Damaged, O & M = Operations, Maintenance, and Repair Program, LF = Linear Feet, Sq. Ft. = square feet



- - SAMPLE LOCATION
- XXX - NO ASBESTOS DETECTED IN THIS SAMPLE
- XXX - ASBESTOS DETECTED IN THIS SAMPLE

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777	Floor Plan 778 MARINE DR. Charleston Naval Base Charleston, SC	
	DWG DATE: XXXXXXXX	DWG NAME: ASB 778

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From: (Project) Envir. Eng. & Remediation Detachment Building 778 - MARINE AVE Date: ⁶⁰¹¹ 5/12/97
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Reece Murray DHEC LICENSE NO. 21687 EXPIRATION DATE 8/21/97

INSPECTOR James Lewis DHEC LICENSE NO. 21686 EXPIRATION DATE 8/20/97

NOTIFY OF RESULTS NAME Reece Murray PHONE NO. 743-6482 Ext. 230 234
~~Reece Charria~~

Relinquished to Jimmy L Smith Date 5-12-97

Relinquished by James Lewis Date 5/12/97

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No.	Location/Description	Asbestos Type (or None)	Analyst Initials
778 -MAR-1	—	BROWN CEILING MATERIAL BATHROOM #1	NONE	WR
778 -MAR-2	—	BROWN CEILING MATERIAL BEDROOM #2	NONE	WR
778 -MAR-3	—	12" X 12" FLOOR TILE w/MASTIC	NONE	WR
778 -MAR-4	—	12" X 12" FLOOR TILE w/MASTIC	NONE	WR

Analyst(s) WR Date 5-13-97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

**ENVIRONMENTAL ENGINEERING AND REMEDIATION
DETACHMENT CHARLESTON**
1899 North Hobson Avenue
North Charleston, South Carolina 29405-2106
ASBESTOS IDENTIFICATION

From (Project) Envir. Eng. & Remediation Detachment Building 778 MARINE AVE Date 1-13-98
SAMPLES TAKEN BY LICENSED INSPECTOR(S)

INSPECTOR Bruce Murray DHEC LICENSE NO 21687 EXPIRATION DATE 8-20-98

INSPECTOR _____ DHEC LICENSE NO _____ EXPIRATION DATE _____

NOTIFY OF RESULTS. NAME Bruce Murray PHONE NO Ext. 234

Relinquished to J. J. Smith Date 1-13-98

Relinquished by Buddy Date 1-13-98

Logged in by _____ Date _____

(IDENTIFICATION IS DETERMINED BY POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING)

Sample No	OSH No	Location/Description	Asbestos Type (or None)	Analyst Initials
778-MARINE-5		12" x 12" FLOOR TILE <u>W/MASTIC</u> FROM MECH. ROOM NEAR WATER HEATER	* TILE NOT DETERMINED CHRYSTILE	WEM
-6		↓ <u>BLACK MASTIC</u>	* TILE NOT DETERMINED CHRYSTILE	WEM
-7		SHEET VINYL FLOORING 2 LAYERS BATHROOM 1 [Bottom Layer]	CHRYSTILE	WEM
-8		↓ 1 LAYER	None	WEM
-9		(SAME TYPE FLOORING, BATH #2) ↓ 2 LAYERS [Bottom Layer]	CHRYSTILE	WEM
-10		SHEETROCK, CORED SAMPLE FROM CORNER, W/TAPE & <u>MUD</u> (MECH. ROOM)	CHRYSTILE	WEM
-11		SHEETROCK, CORED SAMPLE FROM CORNER W/TAPE & <u>MUD</u> (HALL CLOSET)	CHRYSTILE	WEM
-12		SHEETROCK <u>MUD</u> FROM BEHIND SWITCH PLATE (LIVING ROOM)	CHRYSTILE	WEM

Analyst(s) W.E. May Date 1/14/97

Analyst(s) _____ Date _____

Results Logged _____ Date _____

* FLOOR TILE CANNOT BE DETERMINED TO BE ASBESTOS FREE ON THE BASIS OF PLM

PERSONNEL
QUALIFICATIONS

PERSONNEL
QUALIFICATIONS



ASBESTOS ABATEMENT LICENSE

No. 22218

This Certifies that

Randy E Adkins

251/02/6161

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This license is not transferable to any other licensee or company
and shall expire one year from 04/23/97

05/22/97

ORIGINAL



John E. Hursey, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control



ASBESTOS ABATEMENT LICENSE

No. 21680

This Certifies that

Boyce B Charpie

2471110264

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This license is not transferable to any other licensee or company
and shall expire one year from 08/20/97

08/21/97

ORIGINAL



John E. Hursey, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control



ASBESTOS ABATEMENT LICENSE

No. 21682

This Certifies that

Lonnie Drum

249/90/8360

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86 1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C. for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This license is not transferable to any other licensee or company
and shall expire one year from 05/20/97

09/15/97

ORIGINAL



John E. Hulsev, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control



ASBESTOS ABATEMENT LICENSE

No. 21686

This Certifies that

James E. Lewis

247'88/9370

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This license is not transferable to any other licensee or company
and shall expire one year from 08/20/97

08/21/97

ORIGINAL



John E. Hursey

John E. Hursey, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control





ASBESTOS ABATEMENT LICENSE

No. 21687

This Certifies that

Bruce D Murray

245/17/2265

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

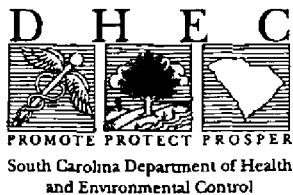
This license is not transferable to any other licensee or company
and shall expire one year from 08/20/97

08/21/97

ORIGINAL



John E. Hursey, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control



ASBESTOS ABATEMENT LICENSE

No. 22216

This Certifies that

John H Wilder

251/94/5862

Department Of The Navy

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This license is not transferable to any other licensee or company
and shall expire one year from 04/23/97

05/22/97

ORIGINAL



John E. Hursey, Director
Program Development & Support Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control